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Set Items Description

Set	Items	Description
S1	10	NOTCHLESS
S2	285	NOTCH(3W)SIGNALLING
S3	285	NOTCH(2W)SIGNALLING
S4	262	NOTCH()SIGNALLING
S5	86	CYTOPLASMIC AND L2
S6	8	CYTOPLASMIC AND S2
S7	65	ACTIVITY AND S2
S8	0	(INCREASE()ACTIVITY) AND S2
S9	0	(INCREASED()ACTIVITY) AND S2
S10	0	(MODUL?()ACTIVITY) AND S2
S11	12	INCREASE AND S2
S12	426	BIND? AND NOTCH
S13	166	S12 AND RECEPTOR
S14	88	AU='COHEN STEPHEN' OR AU='COHEN STEPHEN M'
S15	12	S14 AND NOTCH

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1/7/1

DIALOG(R)File 5:Biosis Previews(R)
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0014037698 BIOSIS NO.: 200200631209

Transcript map of the Ovum mutant (Om) locus: Isolation by exon trapping of
new candidate genes for the DDK syndrome

AUTHOR: Le Bras Stephanie; Cohen-Tannoudji Michel; Guyot Valerie;
Vandormael-Pournin Sandrine; Coumailleau Franck; Babinet Charles;
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Parasitologie, Institut Pasteur, Paris Cedex 15, France**France

JOURNAL: Gene (Amsterdam) 296 (1-2): p75-86 21 August, 2002 2002

MEDIUM: print

ISSN: 0378-1119

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: The DDK syndrome is defined as the embryonic lethality of F1
mouse embryos from crosses between DDK females and males from other
strains (named hereafter as non-DDK strains). Genetically controlled by
the Ovum mutant (Om) locus, it is due to a deleterious interaction
between a maternal factor present in DDK oocytes and the non-DDK paternal
pronucleus. Therefore, the DDK syndrome constitutes a unique genetic tool
to study the crucial interactions that take place between the parental
genomes and the egg cytoplasm during mammalian development. In this
paper, we present an extensive analysis performed by exon trapping on the
Om region. Twenty-seven trapped sequences were from genes in the
databases: beta-Adaptin, CCT zeta2, DNA LigaseIII, %%%Notchless%%%,
Rad51l3, and Scyal. Twenty-eight other sequences presented similarities
with expressed sequence tags and genomic sequences whereas 57 did not.
The pattern of expression of 37 of these markers was established.
Importantly, five of them are expressed in DDK oocytes and are candidate
genes for the maternal factor, and 20 are candidate genes for the
paternal factor since they are expressed in testis. This data is an
important step towards identifying the genes responsible for the DDK
syndrome.

1/7/2

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0014036260 BIOSIS NO.: 200200629771
Characterization of the plant ~~Notchless~~ homologue, a WD-40 repeat
protein implicated in early embryogenesis
AUTHOR: Chantha Sier-Ching (Reprint); Matton Daniel P (Reprint)
AUTHOR ADDRESS: Biology Department, Institut de Recherche en Biologie
Vegetale, University of Montreal, Montreal, PQ, Canada**Canada
JOURNAL: Plant Biology (Rockville) 2001 p58 2001 2001
MEDIUM: print
CONFERENCE/MEETING: Joint Annual Meetings of the American Society of Plant
Biologists and the Canadian Society of Plant Physiologists Providence,
Rhode Island, USA July 21-25, 2001; 20010721
SPONSOR: American Society of Plant Biologists
Canadian Society of Plant Physiologists
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English

1/7/3

DIALOG(R)File 5:Biosis Previews(R)
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0014016673 BIOSIS NO.: 200200610184
The plant ~~NOTCHLESS~~ homologue and its possible role in embryogenesis
AUTHOR: Chantha Sier-Ching (Reprint); Matton Daniel P (Reprint)
AUTHOR ADDRESS: Institut de Recherche en Biologie Vegetale, Montreal, PQ,
Canada**Canada
JOURNAL: Plant Biology (Rockville) 2002 p108 2002 2002
MEDIUM: print
CONFERENCE/MEETING: Annual Meeting of the American Society of Plant
Biologists on Plant Biology Denver, CO, USA August 03-07, 2002; 20020803
SPONSOR: American Society of Plant Biologists
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English

1/7/4

DIALOG(R)File 5:Biosis Previews(R)
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0013994196 BIOSIS NO.: 200200587707
The plant ~~NOTCHLESS~~ homologue and its possible role in embryogenesis
AUTHOR: Chantha Sier Ching (Reprint); Matton Daniel P (Reprint)
AUTHOR ADDRESS: Institut de Recherche en Biologie Vegetale, Montreal, PQ,
Canada**Canada
JOURNAL: Plant Biology (Rockville) 2002 p26 2002 2002
MEDIUM: print
CONFERENCE/MEETING: Annual Meeting of the American Society of Plant
Biologists on Plant Biology Denver, CO, USA August 03-07, 2002; 20020803
SPONSOR: American Society of Plant Biologists
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English

1/7/5

DIALOG(R)File 5:Biosis Previews(R)
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0013553948 BIOSIS NO.: 200200147459
Wdr12, a mouse gene encoding a novel WD-repeat protein with a
~~Notchless~~-like amino-terminal domain
AUTHOR: Nal Beatrice; Mohr Elodie; Da Silva Maria-Isabel; Tagett Rebecca;
Navarro Christel; Carroll Patrick; Depetris Danielle; Verthuy Christophe;
Jordan Bertrand R; Ferrier Pierre (Reprint)
AUTHOR ADDRESS: Centre d'Immunologie de Marseille-Luminy (CIML),
INSERM-CNRS-Universite de la Mediterranee, 13288, Marseille, France**
France
JOURNAL: Genomics 79 (1): p77-86 January, 2002 2002
MEDIUM: print

ISSN: 0888-7543
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: The WD-repeat protein family consists of a large group of structurally related yet functionally diverse proteins found predominantly in eukaryotic cells. These factors contain several (4-16) copies of a recognizable amino-acid sequence motif (the WD unit) thought to be organized into a "propeller-like" structure involved in protein-protein regulatory interactions. Here, we report the cloning of a mouse cDNA, referred to as Wdr12, which encodes a novel WD-repeat protein of 423 amino acids. The WDR12 protein was predicted to contain seven WD units and a nuclear localization signal located within a protruding peptide between the third and fourth WD domains. The amino-terminal region shows similarity to that of the ~~Notchless~~ WD repeat protein. Sequence comparisons revealed WDR12 orthologs in various eukaryotic species. Wdr12 seems to correspond to a single-copy gene in the mouse genome, located within the C1-C2 bands of chromosome 1. These data, together with the results of Wdr12 gene expression studies and evidence of in vitro binding of WDR12 to the cytoplasmic domain of Notch1, led us to postulate a function for the WDR12 protein in the modulation of Notch signaling activity.

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0012759618 BIOSIS NO.: 200000477931
Notch signaling: A dance of proteins changing partners
AUTHOR: Kadesch Tom (Reprint)
AUTHOR ADDRESS: Department of Genetics, University of Pennsylvania School of Medicine, Philadelphia, PA, 19104-6245, USA**USA
JOURNAL: Experimental Cell Research 260 (1): p1-8 October 10, 2000 2000
MEDIUM: print
ISSN: 0014-4827
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Citation
LANGUAGE: English

1/7/7
DIALOG(R)File 5:Biosis Previews(R)
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0011798246 BIOSIS NO.: 199900057906
~~Notchless~~ encodes a novel WD40-repeat-containing protein that modulates notch signaling activity
AUTHOR: Royet Julien; Bouwmeester Tewis; Cohen Stephen M (Reprint)
AUTHOR ADDRESS: European Mol. Biol. Lab., Meyerhofstrasse 1, 69117 Heidelberg, Germany**Germany
JOURNAL: EMBO (European Molecular Biology Organization) Journal 17 (24): p 7351-7360 Dec. 15, 1998 1998
MEDIUM: print
ISSN: 0261-4189
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Signaling by Notch family receptors is involved in many cell-fate decisions during development. Several modifiers of Notch activity have been identified, suggesting that regulation of Notch signaling is complex. In a genetic screen for modifiers of Notch activity, we identified a gene encoding a novel WD40-repeat protein. The gene is called ~~Notchless~~, because loss-of-function mutant alleles dominantly suppress the wing notching caused by certain Notch alleles. Reducing ~~Notchless~~ activity increases Notch activity. Overexpression of ~~Notchless~~ in Xenopus or Drosophila appears to have a dominant negative effect in that it also increases Notch activity. Biochemical studies show that ~~Notchless~~ binds to the cytoplasmic

domain of Notch, suggesting that it serves as a direct regulator of Notch signaling activity.

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0011026414 BIOSIS NO.: 199799660474
Jellyfish monitoring methods with image processing techniques
AUTHOR: Yada Sadami; Higuchi Koichi; Toda Masayoshi
AUTHOR ADDRESS: Dep. Marine Science Technology, Tokyo Univ. Fisheries,
4-5-7 Konan, Minato, Tokyo 108, Japan**Japan
JOURNAL: Bulletin of the Japanese Society of Fisheries Oceanography 61 (2
): p105-113 1997 1997
ISSN: 0916-1562
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: This paper presents the outline concerned with the measuring methods. an illumination intensity and a water depth when an image is captured. the possibility of counting of a jellyfish, and the analyzing correctness of jellyfish image with various filters, etc. The various images of jellyfish into the seawater surface layer which are captured with a CCD camera is inputted to an image analyzer in order to count jellyfish quantitatively. and an image was analyzed. The results are summarized as follows: 1) In order to keep an image area percent of more than 50% after processing, a water depth of less than 20 cm must keep. 2) The capturing and processing of image are suitable when an illumination intensity is larger and the threshold value is 120. 3) The touching jellyfish and the seawater as the background can be discriminated with a visible light cut-filter. 4) When a protection plate to which the salicylic acid is adhered is used, since the image qualities could be prevented to fall down by an irregular reflection of the seawater surface, the "%%notchless%" is also useful when abbreviating the rank filter process 5) The authors judged that jellyfish can count by using the brightness values of M type's shapes, stomach number and the wavelength reflection ratio of jellyfish with the visible light cut-filter.

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0010495135 BIOSIS NO.: 199699129195
Novel fracture toughness test using a %%notchless% triangular prism (NTP) specimen
AUTHOR: Ruse N D (Reprint); Troczynski T; Macentee M I; Feduik D
AUTHOR ADDRESS: Oral Biol., Univ. British Columbia, 2199 Wesbrook Mall, Vancouver, BC V6T 1Z3, Canada**Canada
JOURNAL: Journal of Biomedical Materials Research 31 (4): p457-463 1996 1996
ISSN: 0021-9304
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: The aim of this study was to develop and validate a new method for determining the fracture toughness of materials and adhesive interfaces. The new test specimen is a %%notchless% triangular prism (NTP) which, when placed in the testing holder, achieves a configuration similar to that of the standard chevron-notched short rod (CNSR) specimen. It can be cast, ground, or simply machined easily and reproducibly without cutting an initial notch. Finite element analysis of a modeled NTP specimen loaded in tension showed a stress distribution similar to a CNSR specimen. A very good correlation was obtained between the NTP and CNSR fracture toughness values of poly(methyl methacrylate) during a calibration study. Fracture toughness values similar to those reported in the literature were obtained for several dental materials and

one adhesive interface using the NTP test. The fracture patterns were indicative of plane strain conditions during testing. All bulk specimens and most of the adhesive specimens showed crack arrest, which suggested a stable, well-controlled testing procedure. These results suggest that the NTP fracture toughness test can be used to determine the fracture mechanics of bulk materials and adhesive interfaces.

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0004209540 BIOSIS NO.: 198477041451
THE STAPES OF THE COAL MEASURES EMBOLOMERE PHOLIDERPETON-SCUTIGERUM
AMPHIBIA ANTHRACOSAURIA AND OTIC EVOLUTION IN EARLY TETRAPODS
AUTHOR: CLACK J A (Reprint)
AUTHOR ADDRESS: UNIV MUS ZOOL, CAMBRIDGE, DOWNING ST, CAMBRIDGE CB2 1EJ, UK
**UK
JOURNAL: Zoological Journal of the Linnean Society 79 (2): p121-148 1983
ISSN: 0024-4082
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

ABSTRACT: Middle ear structure has been of interest for a long time in studies of the origins and relationships of early tetrapod groups. The model of a dorally-directed, rod-like stapes with a tympanum, thought common to labyrinthodont amphibians, was taken to be primitive for tetrapods. The stapes of embolomeres and other early anthracosaurs were assumed to be of this form, but difficulties resulted if the middle ear structure of fossil and living reptiles was considered ultimately derived from this source. The embolomere stapes was identified and does not conform to the predicted model. It was most closely resembles that of Greererpeton, an early ***notchless*** temnospondyl. The stapes is compared with those of other tetrapods in terms of the theoretical 5 processes. An interpretation is put forward in which all but the opercular are seen as potentially present. The embolomere stapes is compared with that of Greererpeton in terms of recent theories of mechanical function and is seen to weaken them. They are then compared as part of a possible acoustic mechanism. The embolomere middle ear structure is reinterpreted as a receiver for low-frequency sound and the otic notch is not considered to have housed a tympanum. The resemblance between the stapes of these 2 animals seems best explained by their closeness to the plesiomorphic conditions for tetrapods, a conclusion which forces the abandonment of the concept of a labyrinthodont middle ear. The middle ear structure of later groups can be interpreted as having evolved from 1 similar to that seen in these 2 animals. This supports the conclusion that tympana were not primitive for tetrapods but have been independently derived in several groups.

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6/7/1

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0013858719 BIOSIS NO.: 200200452230
Oligodendrocytes from neural stem cells express alpha-synuclein: Increased numbers from presenilin I deficient mice
AUTHOR: Culvenor Janetta G (Reprint); Rietze Rodney L; Bartlett Perry F; Masters Colin L; Li Qiao-Xin
AUTHOR ADDRESS: Department of Pathology, The University of Melbourne and Mental Health Research Institute of Victoria, Parkville, Victoria, 3010, Australia**Australia
JOURNAL: Neuroreport 13 (10): p1305-1308 19 July, 2002 2002
MEDIUM: print
ISSN: 0959-4965
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: alpha-Synuclein normally a synaptic vesicle-associated
cytoplasmic protein is the major component of filamentous
inclusions of neurons in Parkinson's disease and dementia with Lewy
bodies. It is also the major component of glial inclusions of multiple
system atrophy. In characterizing cells derived from embryonic neural
stem cells we found all oligodendrocytes had strong ***cytoplasmic***
expression of alpha-synuclein. Comparison of cells from presenilin 1
(PSI)-deficient mice with wild type revealed a 7-fold increase in
oligodendrocytes. Western blotting analysis indicated the cells contained
alpha-synuclein monomers and SDS-stable dimers and trimers. This cell
system of oligodendroglial alpha-synuclein expression is a useful system
to study alpha-synuclein metabolism in the cell type affected in multiple
system atrophy. Increased oligodendroglial cell numbers from
PSI-deficient cells provides further evidence for a role of PSI-dependent
Notch ***signalling*** in cell fate decisions.

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0013321688 BIOSIS NO.: 200100493527
Delta regulates keratinocyte spreading and motility independently of
differentiation
AUTHOR: Lowell Sally; Watt Fiona M (Reprint)
AUTHOR ADDRESS: Keratinocyte Laboratory, Imperial Cancer Research Fund, 44
Lincoln's Inn Fields, London, WC2A 3PX, UK**UK
JOURNAL: Mechanisms of Development 107 (1-2): p133-140 September, 2001
2001
MEDIUM: print
ISSN: 0925-4773
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: In human interfollicular epidermis stem cells lie in clusters
surrounded by their differentiated daughters, transit amplifying cells,
an arrangement that reflects differences in cell cohesiveness and
motility. Keratinocytes expressing a dominant negative Deltal mutant,
DeltaT, lacking most of the ***cytoplasmic*** domain, acquired the motile
behaviour of transit cells while retaining their stem cell identity.
Conversely, overexpression of Deltal promoted keratinocyte cohesiveness.
The adhesive effects of Deltal and DeltaT were independent of
SuH-dependent ***Notch*** ***signalling***. DeltaT increased motility and
spreading of individual keratinocytes and stimulated lamellipodia
formation. Delta and DeltaT colocalised with cortical actin and
redistributed on Latrunculin treatment. We propose that Delta promotes
keratinocyte cohesiveness by restricting motility and discuss potential
mechanisms by which Delta could interact with the actin cytoskeleton.

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0013139826 BIOSIS NO.: 200100311665
Notch ***signalling*** via RBP-J reduces self renewal of multipotent
hematopoietic progenitor cells and promotes differentiation into
granulocytes, macrophages and erythroid cells
AUTHOR: Just Ursula (Reprint); Schroeder Timm (Reprint)
AUTHOR ADDRESS: Institute of Clinical Molecular Biology, GSF-National
Research Centre for Environment and Health, Munich, Germany**Germany
JOURNAL: Blood 96 (11 Part 1): p286a November 16, 2000 2000
MEDIUM: print
CONFERENCE/MEETING: 42nd Annual Meeting of the American Society of
Hematology San Francisco, California, USA December 01-05, 2000; 20001201
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Notch receptors are involved in the regulation of cell fate decisions, differentiation and proliferation in many developmental systems. To date, four different mammalian Notch receptors have been described. The ligands are also transmembrane proteins and include Jagged-1 and -2, and Delta-like -1, -3, -4. After ligand binding and activation, the Notch intracellular domain (NIC) is released from the ~~cytoplasmic~~ membrane. NIC then translocates to the nucleus where it binds to the transcriptional repressor RBP-J, thereby converting RBP-J into a transcriptional activator. The expression of Notch on hematopoietic cells and of cognate Notch ligands on bone marrow stromal cells suggest a role for ~~Notch~~ ~~signalling~~ in the regulation of hematopoiesis. Recently, we have shown that activated mNotch1 promotes granulocytic differentiation of the myeloid progenitor cell line 32D (EMBO J 19, 2558-2568, 2000). To investigate the consequences of mNotch1 signalling in multipotent progenitor cells, multipotent progenitor FDCP-mix cell lines were engineered to permit the conditional induction of the constitutively active intracellular domain of mNotch1 (mN1IC) by the 4-hydroxytamoxifen-inducible system. Under conditions that promote self renewal of FDCP-mix cells, i.e. in the presence of high amounts of IL-3, the induction of mN1IC activity resulted in a decrease in self renewal and increased myeloid differentiation of FDCP-mix cells. In the presence of hematopoietic cytokines such as GM-CSF and erythropoietin that support differentiation of FDCP-mix cells, the induction of mN1IC led to an accelerated and increased differentiation along the granulocyte, macrophage, and erythrocyte lineage. Expression of a transcriptionally active derivative of RBP-J (RBP-J-VP16) also increased myeloid differentiation. To further test the role of ~~Notch~~ ~~signalling~~ in a physiological context, FDCP-mix cells were cultured on fibroblast layers that expressed or did not express the Notch ligand Jagged1. Similar to the induction of mN1IC, Jagged1 accelerated myeloid differentiation of FDCP-mix cells. Taken together, our results suggest that activation of mNotch1 signalling reduces self renewal of multipotent progenitor cells and induces differentiation into granulocytes, macrophages and erythroid cells.

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0013127394 BIOSIS NO.: 200100299233

mNotch1 signalling reduces proliferation of myeloid progenitor cells by altering cell cycle kinetics

AUTHOR: Just Ursula (Reprint); Schroeder Timm (Reprint)

AUTHOR ADDRESS: Institute of Clinical Molecular Biology, GSF-National Research Centre for Environment and Health, Munich, Germany**Germany

JOURNAL: Blood 96 (11 Part 2): p145b November 16, 2000 2000

MEDIUM: print

CONFERENCE/MEETING: 42nd Annual Meeting of the American Society of Hematology San Francisco, California, USA December 01-05, 2000; 20001201

SPONSOR: American Society of Hematology

ISSN: 0006-4971

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Notch receptors are involved in the regulation of cell fate decisions, differentiation and proliferation in many tissues. To date, four different mammalian Notch receptors have been described. The ligands are also transmembrane proteins and include Jagged-1 and -2, and Delta-like -1, -2, -3. After ligand binding and activation, the Notch intracellular domain (NIC) is released from the ~~cytoplasmic~~ membrane. NIC then translocates to the nucleus where it binds to the transcriptional repressor RBP-J, thereby converting RBP-J into a transcriptional activator. The expression of Notch receptors on haemopoietic cells and of cognate ligands on bone marrow stromal cells suggests a possible role for ~~Notch~~ ~~signalling~~ in the regulation of haemopoiesis. Using 32D myeloid progenitor cell lines engineered to permit the conditional induction of the constitutively active intracellular domain of mNotch1 (mN1IC) by the

4-hydroxytamoxifen(OHT)-inducible system (rNERTneo32D), we have recently shown that mNotch1 signalling via RBP-J promotes granulocytic differentiation of myeloid progenitor cells (EMBO J 19, 2558-2568, 2000). To assess the involvement of Notch1 signalling on cell proliferation of myeloid progenitor cells, proliferation, cell cycle status and apoptosis of rNERTneo32D cell lines were analysed in the presence or absence of OHT. The induction of mN1IC by OHT resulted in reduction of proliferation ($p<0.01$) and accumulation of cells in the G1/G0 phase of the cell cycle ($p<0.001$) without substantially affecting apoptosis of 32D cells. These effects were observed under culture conditions that allow differentiation and, to a lesser degree, under conditions which normally promote self-renewal in the absence of differentiated cells. Our data suggest that mNotch1 signalling suppresses proliferation of myeloid progenitor cells by altering cell cycle kinetics.

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0012290811 BIOSIS NO.: 200000009124
Disturbance of ~~Notch~~-1 and Wnt ~~signalling~~ proteins in
neuroglial balloon cells and abnormal large neurons in focal cortical
dysplasia in human cortex
AUTHOR: Cotter David (Reprint); Honavar Mrinalini; Lovestone Simon; Raymond
Lucy; Kerwin Robert; Anderton Brian; Everall Ian
AUTHOR ADDRESS: Department of Neuropathology, Institute of Psychiatry,
DeCrespigny Park, London, SE5 8AF, UK**UK
JOURNAL: Acta Neuropathologica 98 (5): p465-472 Nov., 1999 1999`
MEDIUM: print
ISSN: 0001-6322
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Determination of neuroglial cell fate and neural tube development during embryogenesis is influenced by the ~~Notch~~/Wnt ~~signalling~~ pathway. We have studied the localisation of several proteins in the Wnt pathway in focal cortical dysplasia (FCD). This disorder, thought to be due to abnormalities of neuronal migration and differentiation, contains regions of morphologically normal neocortex interrupted by areas of neuronal laminar disorganisation, heterotopic white matter neurons, abnormal large neurons and balloon cells of uncertain histogenesis. We found that the subcellular distribution of several proteins involved in the Wnt pathway differed in regions of FCD from normal cortex, and that within the areas of FCD, the pattern varied with cellular phenotype. Thus, in balloon cells, elevated ~~cytoplasmic~~ levels of dishevelled (Dvl-1) protein were accompanied by an absence of Notch-1, increased adenomatous poliposis coli (APC), altered ~~cytoplasmic~~ beta-catenin, and reduced nuclear expression of beta-catenin. A contrasting pattern of expression was found in abnormal large neurons, which demonstrated elevated levels of Notch-1, and glycogen synthase kinase-3beta (GSK-3beta), and normal levels of APC. Our results are consistent with the notion that Wnt/~~Notch~~ ~~signalling~~ influences neuroglial cell fate, and suggest that a perturbation of Wnt/~~Notch~~ ~~signalling~~ may contribute to the neuropathology of FCD.

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0011875857 BIOSIS NO.: 199900135517
Modulators of notch signaling
AUTHOR: Panin Vladislav M; Irvine Kenneth D (Reprint)
AUTHOR ADDRESS: Waksman Inst. Dep. Mol. Biol. Biochem., Rutgers, State
Univ., Piscataway, NJ 08854, USA**USA
JOURNAL: Seminars in Cell and Developmental Biology 9 (6): p609-617 Dec.,
1998 1998
MEDIUM: print

ISSN: 1084-9521
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Citation
LANGUAGE: English

6/7/7

DIALOG(R)File 5:Biosis Previews(R)
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0011462553 BIOSIS NO.: 199800256800

Human deltex is a conserved regulator of ~~Notch~~ signalling

AUTHOR: Matsuno Kenji; Eastman Deborah; Mitsiades Tim; Quinn Anne Marie;
Carcanciu Maria Louisa; Ordentlich Peter; Kadesch Tom; Artavanis-Tsakonas
Spyros (Reprint)

AUTHOR ADDRESS: Howard Hughes Med. Inst., Dep. Cell Biol., New Haven, CT
06536, USA**USA

JOURNAL: Nature Genetics 19 (1): p74-78 May, 1998 1998

MEDIUM: print

ISSN: 1061-4036

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: A fundamental cell-fate control mechanism regulating multicellular development is defined by the ~~Notch~~-signalling pathway. Developmental and genetic studies of wild type and activated Notch-receptor expression in diverse organisms suggest that Notch plays a general role in development by governing the ability of undifferentiated precursor cells to respond to specific signals. ~~Notch~~ signalling has been conserved throughout evolution and controls the differentiation of a broad spectrum of cell types during development. Genetic studies in Drosophila have led to the identification of several components of the Notch pathway. Two of the positive regulators of the pathway are encoded by the suppressor of hairless (Su(H)) and deltex (dx) genes. Drosophila dx encodes a ubiquitous, novel ~~cytoplasmic~~ protein of unknown biochemical function. We have cloned a human deltex homologue and characterized it in parallel with its Drosophila counterpart in biochemical assays to assess deltex function. Both human and Drosophila deltex bind to Notch across species and carry putative SH3-binding domains. Using the yeast interaction trap system, we find that Drosophila and human deltex bind to the human SH3-domain containing protein Grb2 (ref. 10). Results from two different reporter assays allow us for the first time to associate deltex with Notch-dependent transcriptional events. We present evidence linking deltex to the modulation of basic helix-loop-helix (bHLH) transcription factor activity.

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0010454425 BIOSIS NO.: 199699088485

Subcellular localization of suppressor of hairless in Drosophila sense organ cells during ~~Notch~~ signalling

AUTHOR: Gho Michel; Lecourtois Magalie; Geraud Gerard; Posakony James W;
Schweisguth Francois (Reprint)

AUTHOR ADDRESS: Inst. Jacques Monod, CNRS, Univ. Paris VII, 2 place
Jussieu, 75251 Paris Cedex 05, France**France

JOURNAL: Development (Cambridge) 122 (6): p1673-1682 1996 1996

ISSN: 0950-1991

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: During imaginal development of Drosophila, Suppressor of Hairless (Su(H)), an evolutionarily conserved transcription factor that mediates intracellular signalling by the Notch (N) receptor, controls successive alternative cell fate decisions leading to the differentiation of multicellular sensory organs. We describe here the distribution of the

Su(H) protein in the wing disc epithelium throughout development of adult sense organs. Su(H) was found to be evenly distributed in the nuclei of all imaginal disc cells during sensory organ precursor cells selection. Thus differential expression and/or subcellular localization of Su(H) is not essential for its function. Soon after division of the pIIa secondary precursor cell, Su(H) specifically accumulates in the nucleus of the future socket cell. At the onset of differentiation of the socket cell, Su(H) is also detected in the cytoplasm. In this differentiating cell, N and deltex participate in the ~~cytoplasmic~~ retention of Su(H). Still, Su(H) does not colocalize with N at the apical-lateral membranes. These observations suggest that N regulates in an indirect manner the ~~cytoplasmic~~ localization of Su(H) in the socket cell. Finally, the pIIb, shaft and socket cells are found to adopt invariant positions along the anteroposterior axis of the notum. This raises the possibility that tissue polarity biases these N-mediated cell fate choices.

? t s11/7/1-12

11/7/1

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0014424437 BIOSIS NO.: 200300381714
~~Notch~~ receptor ligand-~~signalling~~ role in vascular smooth muscle cell proliferation.
AUTHOR: Morrow David (Reprint); Sweeney Catherine; Scheller Agnieszka; Walls Dermot; Cummins Phillip; Cahill Paul A
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JOURNAL: FASEB Journal 17 (4-5): pAbstract No. 75.33 March 2003 2003
MEDIUM: e-file
CONFERENCE/MEETING: FASEB Meeting on Experimental Biology: Translating the Genome San Diego, CA, USA April 11-15, 2003; 20030411
SPONSOR: FASEB
ISSN: 0892-6638 (ISSN print)
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Notch receptor-ligand interactions are a highly conserved mechanism crucial for embryonic vasculature development. Notch receptors have recently been identified on adult vascular smooth muscle cells in vivo and in vitro. We aimed to determine the putative role of ~~Notch~~ ~~signalling~~ in the regulation of SMC proliferation. RVSMCs (passage 12) proliferation was examined in pooled puromycin resistant transfected cells that over express Notch 1 and 3 IC receptors. The expression of these receptors was determined by Western blot and RT-PCR. Notch IC effect on cell growth was determined by clonal proliferation, cell counts and expression of proliferating cell nuclear antigen(pCNA) over a period of 1-12 days. ~~Notch~~ IC ~~signalling~~ was inhibited by co-transfecting the cells with RPMS-1, an inhibitor of Notch IC activation of CBF-1 through interference with the SKIP CBF-1 repressor complex. Notch 1 and 3 receptors are present on RVSMC and their expression was significantly increased in transfected cells as compared to mock controls. In cells that over expressed Notch 1 and 3 receptors, there was a significant temporal ~~increase~~ in serum stimulated cell growth as compared to the mock transfected controls (20% ~~increase~~, n= 2). In parallel experiments, in cells that over-expressed Notch receptors, pCNA expression was also significantly increased. Moreover, inhibition of the Notch signaling pathway with RPMS-1 significantly attenuated the Notch 1 and 3 -induced enhanced proliferation.

11/7/2

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0014408977 BIOSIS NO.: 200300367696

Notch Induces Cell Cycle Arrest and Apoptosis in Human TF-1 Cells.
AUTHOR: Chadwick Nicholas (Reprint); Brady Gerard (Reprint); Baron Martin (Reprint); Buckle Anne-Marie (Reprint)
AUTHOR ADDRESS: Biomolecular Sciences, University of Manchester Institute of Science and Technology, Manchester, UK**UK
JOURNAL: Blood 100 (11): pAbstract No. 4212 November 16, 2002 2002
MEDIUM: print
CONFERENCE/MEETING: 44th Annual Meeting of the American Society of Hematology Philadelphia, PA, USA December 06-10, 2002; 20021206
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Poster; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Notch receptors 1-4 play an important role in cell fate decisions by binding to their ligands Jagged 1&2 or Delta 1-4 on adjacent cells. Notch signalling is thought to mediate hematopoietic stem cell self-renewal and several studies have shown that Notch signalling directs common lymphoid precursors towards a T cell fate at the expense of B cell development (Jaleco et al. J. Exp. Med. 2001). Several studies have shown that Notch may influence cell fate decisions by directly affecting cell cycle kinetics (Ohishi et al. Int. J. Hematol. 2002). Many Notch-induced effects are mediated via the transcription factor RBP-Jk, however the mechanism by which Notch signalling mediates biological effects in stem cells is not known. To further investigate the role of Notch signalling during hematopoiesis, we retrovirally transfected the CD34+ GM-CSF dependant cell line TF-1 cells with the constitutively active intracellular domain of Notch 1 (NICD1) using the bicistronic PMX-GFP vector. 54% of cells transfected with NICD1 underwent apoptosis after 72 hrs as assessed by Annexin V staining whereas mock-transfected cells remained viable (19% apoptotic; p<0.05). Staining with Hoechst 33342 showed a significant decrease in the percentage of NICD1-transfected cells in cycle compared to mock transfectants (19% vs 29%; p<0.005) after 48 hrs. This was confirmed using Ki67 antibody staining, identifying significantly more cells in the cell cycle S-phase in mock-transfected (3.8%) cells compared to NICD1 (1.6%; p<0.05) or NICD2 (1.9%; p<0.01) transfected cells. This effect was cell-type specific since neither NICD1 nor NICD2 affected the cell cycle kinetics of Jurkat cells. To determine whether TF-1 cells transfected with NICD1 could be rescued from cell cycle arrest, we transfected TF-1 cells in the presence of various cytokines known to stimulate TF-1 cells. No cytokine combination was able to prevent NICD1-induced cell cycle arrest. Recent data suggests that an RBP-Jk-independent Notch signalling pathway may exist via the putative transcription factor Deltex (Yamamoto et al. J. Biol. Chem. 2001). However, transfection of TF-1 cells with Deltex did not affect cell cycle kinetics, indicating that Notch activation of Deltex is not required for cell cycle arrest. In order to determine a mechanism for Notch-induced cell cycle arrest, we analysed gene expression using PCR. An increase in the mRNA levels of HES1 and HERP2 (known downstream Notch transcription targets) was shown, confirming the presence of functionally active Notch in NICD1-transfected cells. PCR analysis of a range of cell cycle regulators revealed a down-regulation of Cyclin E mRNA expression in NICD1 transfected cells. These results show that Notch activation has a dramatic effect on CD34+ TF-1 cell cycle kinetics. The mechanism by which Notch exerts this effect may involve down-regulation of Cyclin E and may be important to our understanding of how Notch signalling influences hematopoiesis.

11/7/3
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0013903849 BIOSIS NO.: 200200497360
Hes6 regulates myogenic differentiation
AUTHOR: Cossins Judy; Vernon Ann E; Zhang Yun; Philpott Anna; Jones Philip H (Reprint)
AUTHOR ADDRESS: Department of Oncology, Hutchinson/MRC Research Centre, Cancer Research UK, University of Cambridge, Addenbrooke's Hospital,

Cambridge, UK**UK
JOURNAL: Development (Cambridge) 129 (9): p2195-2207 May, 2002 2002
MEDIUM: print
ISSN: 0950-1991
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Hes6 is a basic helix-loop-helix transcription factor homologous to Drosophila Enhancer of Split (EoS) proteins. It is known to promote neural differentiation and to bind to Hes1, a related protein that is part of the ***Notch*** ***signalling*** pathway, affecting Hes1-regulated transcription. We show that Hes6 is expressed in the murine embryonic myotome and is induced on C2C12 myoblast differentiation in vitro. Hes6 binds DNA containing the Enhancer of Split E box (ESE) motif, the preferred binding site of Drosophila EoS proteins, and represses transcription of an ESE box reporter. When overexpressed in C2C12 cells, Hes6 impairs normal differentiation, causing a decrease in the induction of the cyclin-dependent kinase inhibitor, p21Cip1, and an ***increase*** in the number of cells that can be recruited back into the cell cycle after differentiation in culture. In Xenopus embryos, Hes6 is co-expressed with MyoD in early myogenic development. Microinjection of Hes6 RNA in vivo in Xenopus embryos results in an expansion of the myotome, but suppression of terminal muscle differentiation and disruption of somite formation at the tailbud stage. Analysis of Hes6 mutants indicates that the DNA-binding activity of Hes6 is not essential for its myogenic phenotype, but that protein-protein interactions are. Thus, we demonstrate a novel role for Hes6 in multiple stages of muscle formation.

11/7/4
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0013858719 BIOSIS NO.: 200200452230
Oligodendrocytes from neural stem cells express alpha-synuclein: Increased numbers from presenilin I deficient mice
AUTHOR: Culvenor Janetta G (Reprint); Rietze Rodney L; Bartlett Perry F; Masters Colin L; Li Qiao-Xin
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JOURNAL: Neuroreport 13 (10): p1305-1308 19 July, 2002 2002
MEDIUM: print
ISSN: 0959-4965
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: alpha-Synuclein normally a synaptic vesicle-associated cytoplasmic protein is the major component of filamentous inclusions of neurons in Parkinson's disease and dementia with Lewy bodies. It is also the major component of glial inclusions of multiple system atrophy. In characterizing cells derived from embryonic neural stem cells we found all oligodendrocytes had strong cytoplasmic expression of alpha-synuclein. Comparison of cells from presenilin I (PSI)-deficient mice with wild type revealed a 7-fold ***increase*** in oligodendrocytes. Western blotting analysis indicated the cells contained alpha-synuclein monomers and SDS-stable dimers and trimers. This cell system of oligodendroglial alpha-synuclein expression is a useful system to study alpha-synuclein metabolism in the cell type affected in multiple system atrophy. Increased oligodendroglial cell numbers from PSI-deficient cells provides further evidence for a role of PSI-dependent ***Notch*** ***signalling*** in cell fate decisions.

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0013397395 BIOSIS NO.: 200100569234
Gridlock signalling pathway fashions the first embryonic artery
AUTHOR: Zhong Tao P; Childs Sarah; Leu James P; Fishman Mark C (Reprint)
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JOURNAL: Nature (London) 414 (6860): p216-220 8 November, 2001 2001
MEDIUM: print
ISSN: 0028-0836
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Arteries and veins are morphologically, functionally and molecularly very different, but how this distinction is established during vasculogenesis is unknown. Here we show, by lineage tracking in zebrafish embryos, that angioblast precursors for the trunk artery and vein are spatially mixed in the lateral posterior mesoderm. Progeny of each angioblast, however, are restricted to one of the vessels. This arterial-venous decision is guided by gridlock (grl), an artery-restricted gene that is expressed in the lateral posterior mesoderm. Graded reduction of grl expression, by mutation or morpholino antisense, progressively ablates regions of the artery, and expands contiguous regions of the vein, preceded by an **increase** in expression of the venous marker EphB4 receptor (ephb4) and diminution of expression of the arterial marker ephrin-B2 (efnb2). grl is downstream of notch, and interference with **notch** **signalling**, by blocking Su(H), similarly reduces the artery and increases the vein. Thus, a notch-grl pathway controls assembly of the first embryonic artery, apparently by adjudicating an arterial versus venous cell fate decision.

11/7/6
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0013024709 BIOSIS NO.: 200100196548
Significance of proneural basic helix-loop-helix transcription factors in neuroendocrine differentiation of fetal lung epithelial cells and lung carcinoma cells
AUTHOR: Ito T (Reprint); Uchida N; Ikeda M; Yazawa T; Kageyama R; Kitamura H
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JOURNAL: Histology and Histopathology 16 (1): p335-343 January, 2001 2001
MEDIUM: print
ISSN: 0213-3911
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: In this brief review article, we describe how cell fate determination by which the airway epithelial cells become neuroendocrine or non-neuroendocrine is regulated by a network of basic helix-loop-helix transcription (bHLH) factors in a similar manner to neuronal differentiation, and how this system could work to determine cell differentiation of human lung carcinomas. Immunohistochemical studies reveal that mammalian achaete-scute complex homologue (Mash)1 is expressed in pulmonary neuroendocrine cells (PNEC), while hairy and Enhancer of split (Hes)1 is expressed in pulmonary non-neuroendocrine cells (non-PNEC). Studies using gene-deficient mice for the bHLH factors revealed that in Mash1 homozygous null mice no PNEC are detected, while PNEC **increase** markedly in Hes1 homozygous null mice. These observations suggest that Mash1 is an essential positive factor for neuroendocrine differentiation of lung epithelium, and that Hes1 is one of the repressive factors for neuroendocrine differentiation. Moreover, immunohistochemical studies revealed that Notch receptors are detected in non-PNEC, and thus the **Notch** **signalling** pathway could play a role in the determination of airway epithelial cell differentiation. In human lung carcinomas, a similar bHLH network should operate to determine cell differentiation phenotypes. Generally, expression of the human homologue of Mash1 (HASH1) is detected in small cell carcinoma and

carcinoids, while Hes1 seems to be expressed mainly in non-small cell carcinoma. Thus, proneuronal bHLH factors may play roles in cell fate determination of the airway epithelial system, and may regulate human airway epithelial cells in diseased conditions.

11/7/7

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0012937281 BIOSIS NO.: 200100109120
Expression of Notch pathway genes in normal and methyl bromide-lesioned adult rat olfactory epithelium
AUTHOR: Manglapus G L (Reprint); Youngentob S L; Schwob J E
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JOURNAL: Society for Neuroscience Abstracts 26 (1-2): pAbstract No.-638.16
2000 2000
MEDIUM: print
CONFERENCE/MEETING: 30th Annual Meeting of the Society of Neuroscience New Orleans, LA, USA November 04-09, 2000; 20001104
SPONSOR: Society for Neuroscience
ISSN: 0190-5295
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: The Notch signalling pathway is a mode of cell-cell communication which plays a well described role in cell fate determination, dendritic arborization, and axon guidance. By performing in situ hybridization with a set of digoxigenin-labeled antisense riboprobes, we investigated the expression patterns of rat Notch 1, Notch 2, Delta 1 and Jagged in normal and methyl bromide (MeBr)-lesioned adult rat olfactory epithelium (OE). MeBr is an olfactotoxin that selectively destroys cells of the OE sparing only progenitors. This lesion paradigm provides the framework to study the molecular mechanisms involved in OE regeneration. At 1 and 2 weeks post unilateral exposure, Notch 1, Notch 2 and Delta 1 are all expressed by olfactory sensory neurons (OSNs) in unlesioned and MeBr-lesioned OE. Jagged is not expressed in unlesioned nor MeBr-lesioned adult OE. There is an overall increase in label on the MeBr-lesioned side suggesting an increase in expression levels of Notch 1, Notch 2 and Delta 1 during times of robust regeneration. Bromodeoxyuridine-labeled, i.e. mitotically active, cells are not labeled by these probes suggesting that progenitor cells of the OE do not use the Notch signalling pathway for fate determination at this stage in the regenerative process. Instead, these results suggest that the Notch pathway may be important for axon guidance or dendritic arborization of OSNs. (We thank Z-Z. Bao and C. L. Cepko for the gift of the clones)

11/7/8

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0012915883 BIOSIS NO.: 200100087722
Presenilin 1 mutations reduce cytoskeletal binding, disrupt Notch signalling and potentiate Abeta-induced neuritic dystrophy
AUTHOR: Pigino G (Reprint); Busciglio J
AUTHOR ADDRESS: University of Connecticut Health Center, Farmington, CT, USA**USA
JOURNAL: Society for Neuroscience Abstracts 26 (1-2): pAbstract No.-277.8
2000 2000
MEDIUM: print
CONFERENCE/MEETING: 30th Annual Meeting of the Society of Neuroscience New Orleans, LA, USA November 04-09, 2000; 20001104
SPONSOR: Society for Neuroscience
ISSN: 0190-5295
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Mutations in presenilin 1 (PS1) are linked to early-onset familial Alzheimer's disease (FAD). Previous results show that PS1 associates with the neuronal cytoskeleton (Pigino et al., Abs. SFN, 1998;24:470) and that it binds to microtubule-associated proteins Tau and GSK-3sz (Takashima et al., PNAS, 1998, 95:9637). Biochemical analysis of hippocampal cultures revealed that the association of PS1 with the cytoskeleton increased dramatically after the first week in culture. This event correlated closely with an **increase** in the number of neuronal contacts, increased translocation of Notch 1 intracellular domain (NICD) to neuronal nuclei and a marked reduction of neurite growth. Neurons transfected at day 7 with PS1 mutations M146V, I143T and DELTA9 showed a marked reduction in cytoskeletal binding, reduced levels of nuclear NICD and longer processes than PS1wt-transfected cells. In younger neurons (3 DIV) devoid of cellular contacts and bearing fast-growing axons the overexpression of PS1wt significantly increased NICD in neuronal nuclei and reduced axonal growth. In contrast, PS1 mutations had no effect on the nuclear translocation of NICD or axonal growth. Finally, PS1 mutations potentiated Abeta-induced neuritic dystrophy in hippocampal cultures increasing the phosphorylation of Tau and its release from the cytoskeleton. These results suggest that: 1) the association of PS1 with the neuronal cytoskeleton is important for the regulation of neurite growth mediated by **Notch** 1 **signalling** and 2) FAD-linked PS1 mutations affect the intracellular machinery that control neurite outgrowth, stabilization and plasticity.

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0012801835 BIOSIS NO.: 200000520148

Mutation of the conserved N-terminal cysteine (Cys92) of human presenilin I causes increased Abeta42 secretion in mammalian cells but impaired **Notch**/lin-12 **signalling** in C. elegans

AUTHOR: Zhang Dong Mei; Levitan Diane; Yu Gang; Nishimura Masaki; Chen Fusheng; Tandon Anurag; Kawarai Toshitaka; Arawaka Shigeki; Supala Agnes; Song You-Qiang; Rogaeva Ekaterina; Liang Yan; Holmes Erin; Milman Paul; Sato Christine; Zhang Lili; St George-Hyslop P (Reprint)

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JOURNAL: Neuroreport 11 (14): p3227-3230 28 September, 2000 2000

MEDIUM: print

ISSN: 0959-4965

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: The presenilin proteins are involved in the proteolytic processing of transmembrane proteins such as Notch/lin-12 and the beta-amyloid precursor protein (betaAPP). Mutation of a conserved cysteine (Cys60Ser) in the C. elegans presenilin sel-12 has a loss-of-function effect on Notch/lin-12 processing similar to that of null mutations in sel-12. In contrast, in mammalian cells, most missense mutations **increase** gamma-secretase cleavage of betaAPP. We report here that mutation of this conserved cysteine (Cys92Ser) in human presenilin I confers a loss-of-function effect in C. elegans, but causes increased Abeta42 secretion in mammalian cells. These data suggest that the role of presenilins in **Notch**/lin-12 **signalling** and betaAPP processing are either separately regulated activities or independent activities of the presenilins.

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0012587002 BIOSIS NO.: 200000305315

Notch **signalling** pathway mediates hair cell development in mammalian cochlea

AUTHOR: Lanford Pamela J; Lan Yu; Jiang Rulang; Lindsell Claire; Weinmaster Gerry; Gridley Thomas; Kelley Matthew W (Reprint)
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JOURNAL: Nature Genetics 21 (3): p289-292 March, 1999 1999
MEDIUM: print
ISSN: 1061-4036
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: The mammalian cochlea contains an invariant mosaic of sensory hair cells and non-sensory supporting cells reminiscent of invertebrate structures such as the compound eye in *Drosophila melanogaster*. The sensory epithelium in the mammalian cochlea (the organ of Corti) contains four rows of mechaosensory hair cells: a single row of inner hair cells and three rows of outer hair cells. Each hair cell is separated from the next by an interceding supporting cell, forming an invariant and alternating mosaic that extends the length of the cochlear duct. Previous results suggest that detemrination of cell fates in the cochlear mosaic occurs via inhibitory interactions between adjacent progenitor cells (lateral inhibition). Cells populating the cochlear epithelium appear to constitute a developmental equivalence group in which developing hair cells suppress differentiation in their immediate neighbours through lateral inhibition. These interactions may be mediated through the **Notch signalling** pathway, a molecular mechanism that is involved in the detemrination of a variety of cell fates. Here we show that genes encoding the receptor protein Notch 1 and its ligand, Jagged 2, are expressed in alternating cell types in the developing sensory epithelium. In addition, genetic deletion of Jag2 results in a significant **increase** in sensory hair cells, presumably as a result of a decrease in Notch activation. These results provide direct evidence for Notch-mediated lateral inhibition in a mammalian system and support a role for notch in the development of the cochlear mosaic.

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0012266384 BIOSIS NO.: 199900526044
Presenilins: Molecular switches between proteolysis and signal transduction
AUTHOR: Annaert Wim (Reprint); De Strooper Bart (Reprint)
AUTHOR ADDRESS: Neuronal Cell Biology and Gene Transfer Laboratory, Centre for Human Genetics, Flanders Interuniversity, Institute for Biotechnology (VIB4), KULeuven, Gasthuisberg, B-3000, Leuven, Belgium** Belgium
JOURNAL: Trends in Neurosciences 22 (10): p439-443 Oct., 1999 1999
MEDIUM: print
ISSN: 0166-2236
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Mis-sense mutations of presenilin 1 **increase** the release of amyloidogenic peptide from amyloid precursor protein (APP) and are a major cause of familial Alzheimer's Disease. Loss-of-function mutations of presenilins in the mouse, *Caenorhabditis elegans* and *Drosophila* result in severe developmental defects caused by disturbed **Notch signalling**. Recent studies suggest that the diverse biological roles of presenilin 1 can be explained at the molecular level by its role in the proteolytic cleavage of the integral membrane domains of Notch and APP. This cleavage is a central switch in **Notch signalling**, while, for APP, its physiological role remains elusive. Evidence that presenilin 1 itself has catalytic properties could explain many of the biological and biochemical alterations caused by presenilin-1 deficiency or clinical mutations in presenilin 1. However, as presenilins reside in the endoplasmic reticulum and the cleavage of Notch and APP is believed to occur close to the cell membrane, the scientific field now faces a 'spatial paradox'.

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0011815903 BIOSIS NO.: 199900075563
Delta-~~Notch~~ ~~signalling~~ and the patterning of sensory cell
differentiation in the zebrafish ear: Evidence from the mind bomb mutant
AUTHOR: Haddon Catherine; Jiang Yun-Jin; Smithers Lucy; Lewis Julian
(Reprint)
AUTHOR ADDRESS: Vertebrate Developmental Laboratory, Imperial Cancer
Research Fund, P.O. Box 123, Lincoln's Inn Fields, London WC2A 3PX, UK**
UK
JOURNAL: Development (Cambridge) 125 (23): p4637-4644 Dec., 1998 1998
MEDIUM: print
ISSN: 0950-1991
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Mechanosensory hair cells in the sensory patches of the
vertebrate ear are interspersed among supporting cells, forming a
fine-grained pattern of alternating cell types. Analogies with Drosophila
mechanosensory bristle development suggest that this pattern could be
generated through lateral inhibition mediated by ~~Notch~~
~~signalling~~. In the zebrafish ear rudiment, homologues of Notch are
widely expressed, while the Delta homologues deltaA, deltaB and deltaD,
coding for Notch ligands, are expressed in small numbers of cells in
regions where hair cells are soon to differentiate. This suggests that
the delta-expressing cells are nascent hair cells, in agreement with
findings for Delta1 in the chick. According to the lateral inhibition
hypothesis, the nascent hair cells, by expressing Delta protein, would
inhibit their neighbours from becoming hair cells, forcing them to be
supporting cells instead. The zebrafish mind bomb mutant has
abnormalities in the central nervous system, somites, and elsewhere,
diagnostic of a failure of Delta-~~Notch~~ ~~signalling~~: in the
CNS, it shows a neurogenic phenotype accompanied by misregulated delta
gene expression. Similar misregulation of delta genes is seen in the ear,
along with misregulation of a Serrate homologue, serrateB, coding for an
alternative Notch ligand. Most dramatically, the sensory patches in the
mind bomb ear consist solely of hair cells, which are produced in great
excess and prematurely; at 36 hours post fertilization, there are more
than ten times as many as normal, while supporting cells are absent. A
twofold ~~increase~~ is seen in the number of otic neurons also. The
findings are strong evidence that lateral inhibition mediated by Delta-
~~Notch~~ ~~signalling~~ controls the pattern of sensory cell
differentiation in the ear.

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13/3/160
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0009170138 BIOSIS NO.: 199497191423
Cytosolic interaction between deltex and ~~Notch~~ ankyrin repeats
implicates deltex in the ~~Notch~~ signaling pathway
AUTHOR: Diederich Robert J; Matsuno Kenji; Hing Huey; Artavanis-Tsakonas
Spyros
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USA
JOURNAL: Development (Cambridge) 120 (3): p473-481 1994 1994
ISSN: 0950-1991
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/161

DIALOG(R)File 5:Biosis Previews(R)
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0008934601 BIOSIS NO.: 199396099017
Specific truncations of Drosophila **Notch** define dominant activated
and dominant negative forms of the **receptor**
AUTHOR: Rebay Ilaria (Reprint); Fehon Richard G; Artavanis-Tsakonas Spyros
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AUTHOR ADDRESS: Howard Hughes Med. Inst., Dep. Cell Biol. Biol., Yale
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JOURNAL: Cell 74 (2): p319-329 1993
ISSN: 0092-8674
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/162
DIALOG(R)File 5:Biosis Previews(R)
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0008863473 BIOSIS NO.: 199396027889
Genetic and molecular characterization of a **notch** mutation in its
delta- and serrate-**binding** domain in Drosophila
AUTHOR: De Celis Jose F; Barrio Rosa; Del Arco Araceli; Garcia-Bellido
Antonio (Reprint)
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JOURNAL: Proceedings of the National Academy of Sciences of the United
States of America 90 (9): p4037-4041 1993
ISSN: 0027-8424
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/163
DIALOG(R)File 5:Biosis Previews(R)
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0008853032 BIOSIS NO.: 199396017448
Altered epidermal growth factor-like sequences provide evidence for a role
of **Notch** as a **receptor** in cell fate decisions
AUTHOR: Heitzler Pascal; Simpson Pat (Reprint)
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JOURNAL: Development (Cambridge) 117 (3): p1113-1123 1993
ISSN: 0950-1991
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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0008209472 BIOSIS NO.: 199293052363
SPECIFIC EGF REPEATS OF **NOTCH** MEDIATE INTERACTIONS WITH DELTA AND
SERRATE IMPLICATIONS FOR **NOTCH** AS A MULTIFUNCTIONAL **RECEPTOR**
AUTHOR: REBAY I (Reprint); FLEMING R J; FEHON R G; CHERBAS L; CHERBAS P;
ARTAVANIS-TSAKANNAS S
AUTHOR ADDRESS: HOWARD HUGHES MED INST, DEP CELL BIOLOGY, YALE UNIV, NEW
HAVEN, CONN 06511, USA**USA
JOURNAL: Cell 67 (4): p687-700 1991
ISSN: 0092-8674
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

13/3/165
DIALOG(R)File 5:Biosis Previews(R)
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0007732055 BIOSIS NO.: 199191114946
NOVEL TYPE OF VERY HIGH AFFINITY CALCIUM-***BINDING*** SITES IN BETA
HYDROXYASPARAGINE-CONTAINING EPIDERMAL GROWTH FACTOR-LIKE DOMAINS IN
VITAMIN K-DEPENDENT PROTEIN S
AUTHOR: DAHLBACK B (Reprint); HILDEBRAND B; LINSE S
AUTHOR ADDRESS: DEP CLINICAL CHEM, UNIV LUND, MALMO GENERAL HOSP S-21401
MALMO, SWEDEN**SWEDEN
JOURNAL: Journal of Biological Chemistry 265 (30): p18481-18489 1990
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

13/3/166
DIALOG(R)File 5:Biosis Previews(R)
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0002967157 BIOSIS NO.: 198069081144
AUXIN AND EARLY STAGES OF THE ABSCISSION PROCESS OF CITRUS LEAF
CITRUS-SINENSIS CULTIVAR SHAMOUTI EXPLANTS
AUTHOR: JAFFE M J (Reprint); GOREN R
AUTHOR ADDRESS: DEP BOT, OHIO UNIV, ATHENS, OHIO 45701, USA**USA
JOURNAL: Botanical Gazette 140 (4): p378-383 1979
ISSN: 0006-8071
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH
? t s13/3/1-159

13/3/1
DIALOG(R)File 5:Biosis Previews(R)
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0014534788 BIOSIS NO.: 200300492445
The Tat protein of the caprine arthritis encephalitis virus interacts with
the Notch2 EGF-like repeats and the epithelin/granulin precursor.
AUTHOR: Shoham Nitza; Cohen Limor; Gazit Arnona; Yaniv Abraham (Reprint)
AUTHOR ADDRESS: Department of Human Microbiology, Sackler School of
Medicine, Tel Aviv University, Tel Aviv, 69978, Israel**Israel
AUTHOR E-MAIL ADDRESS: microl@post.tau.ac.il
JOURNAL: Intervirology 46 (4): p239-244 July-August 2003 2003
MEDIUM: print
ISSN: 0300-5526
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/2
DIALOG(R)File 5:Biosis Previews(R)
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0014530902 BIOSIS NO.: 200300488559
Numb modifies neuronal vulnerability to amyloid beta-peptide in an
isoform-specific manner by a mechanism involving altered calcium
homeostasis: Implications for neuronal death in Alzheimer's disease.
AUTHOR: Chan Sic L; Pedersen Ward A; Zhu Hiayan; Mattson Mark P (Reprint)
AUTHOR ADDRESS: Laboratory of Neurosciences, National Institute on Aging
Gerontology Research Center, 5600 Nathan Shock Drive, Baltimore, MD,
21224, USA**USA
AUTHOR E-MAIL ADDRESS: mattsonm@grc.nia.nih.gov
JOURNAL: NeuroMolecular Medicine 1 (1): p55-67 2002 2002
MEDIUM: print
ISSN: 1535-1084 _(ISSN print)
DOCUMENT TYPE: Article

RECORD TYPE: Abstract
LANGUAGE: English

13/3/3

DIALOG(R)File 5:Biosis Previews(R)
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0014503580 BIOSIS NO.: 200300459191
Decreased adipose tissue FOXC2 expression in insulin resistance: Impaired precursor cell commitment to both white and brown adipose differentiation.
AUTHOR: Yang Xiaolin (Reprint); Smith Ulf (Reprint)
AUTHOR ADDRESS: Goteborg, Sweden**Sweden
JOURNAL: Diabetes 52 (Supplement 1): pA89 2003 2003
MEDIUM: print
CONFERENCE/MEETING: 63rd Scientific Sessions of the American Diabetes Association New Orleans, LA, USA June 13-17, 2003; 20030613
SPONSOR: American Diabetes Association
ISSN: 0012-1797 _(ISSN print)
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English

13/3/4

DIALOG(R)File 5:Biosis Previews(R)
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0014503579 BIOSIS NO.: 200300459190
Enlarged adipose cells and reduced adipogenic gene expression implicate an impaired adipose cell turnover in insulin resistance.
AUTHOR: Yang Xiaolin (Reprint); Jansson Per-Anders (Reprint); Smith Ulf (Reprint)
AUTHOR ADDRESS: Goteborg, Sweden**Sweden
JOURNAL: Diabetes 52 (Supplement 1): pA88 2003 2003
MEDIUM: print
CONFERENCE/MEETING: 63rd Scientific Sessions of the American Diabetes Association New Orleans, LA, USA June 13-17, 2003; 20030613
SPONSOR: American Diabetes Association
ISSN: 0012-1797 _(ISSN print)
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English

13/3/5

DIALOG(R)File 5:Biosis Previews(R)
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0014470591 BIOSIS NO.: 200300425435
The ***Notch*** ligand Delta1 is sequentially cleaved by an ADAM protease and gamma-secretase.
AUTHOR: Six Emmanuelle; Ndiaye Delphine; Laabi Yacine; Brou Christel; Gupta-Rossi Neetu; Israel Alain (Reprint); Logeat Frederique
AUTHOR ADDRESS: Unite de Biologie Moleculaire de l'Expression Genique, Unite de Recherche Associee 2582, Institut Pasteur, 25 Rue du Docteur Roux, 75724, Paris Cedex, 15, France**France
AUTHOR E-MAIL ADDRESS: aisrael@pasteur.fr
JOURNAL: Proceedings of the National Academy of Sciences of the United States of America 100 (13): p7638-7643 June 24, 2003 2003
MEDIUM: print
ISSN: 0027-8424 _(ISSN print)
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/6

DIALOG(R)File 5:Biosis Previews(R)
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0014437668 BIOSIS NO.: 200300396098
A structural basis for immunodominant human T cell ***receptor***
recognition.
AUTHOR: Stewart-Jones Guillaume B E; McMichael Andrew J; Bell John I;
Stuart David I; Jones E Yvonne (Reprint)
AUTHOR ADDRESS: Division of Structural Biology, Roosevelt Drive, The Henry
Wellcome Building for Genomic Medicine, Oxford, OX3 7BN, UK**UK
AUTHOR E-MAIL ADDRESS: yvonne@strubi.ox.ac.uk
JOURNAL: Nature Immunology 4 (7): p657-663 July 2003 2003
MEDIUM: print
ISSN: 1529-2908 (ISSN print)
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/7
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0014431653 BIOSIS NO.: 200300390083
A conserved structural motif reveals the essential transcriptional
repression function of Spen proteins and their role in developmental
signaling.
AUTHOR: Ariyoshi Mariko; Schwabe John W R (Reprint)
AUTHOR ADDRESS: Laboratory of Molecular Biology, Medical Research Council,
Cambridge, CB2 2QH, UK**UK
AUTHOR E-MAIL ADDRESS: john.schwabe@mrc lmb.cam.ac.uk
JOURNAL: Genes and Development 17 (15): p1909-1920 August 1, 2003 2003
MEDIUM: print
ISSN: 0890-9369
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/8
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0014428982 BIOSIS NO.: 200300386259
Nuclear magnetic resonance structure of a prototype Lin12-***Notch***
repeat module from human Notch1.
AUTHOR: Vardar Didem; North Christopher L; Sanchez-Irizarry Cheryll; Aster
Jon C; Blacklow Stephen C (Reprint)
AUTHOR ADDRESS: Department of Pathology, Brigham and Women's Hospital and
Harvard Medical School, 75 Francis Street, Boston, MA, 02115, USA**USA
AUTHOR E-MAIL ADDRESS: sblacklow@rics.bwh.harvard.edu
JOURNAL: Biochemistry 42 (23): p7061-7067 June 17, 2003 2003
MEDIUM: print
ISSN: 0006-2960 (ISSN print)
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/9
DIALOG(R)File 5:Biosis Previews(R)
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0014416169 BIOSIS NO.: 200300374888
Mammalian Numb proteins promote Notch1 ***receptor*** ubiquitination and
degradation of the Notch1 intracellular domain.
AUTHOR: McGill Melanie A; McGlade C Jane (Reprint)
AUTHOR ADDRESS: Hospital for Sick Children, 555 University Ave., Toronto,
ON, M5G 1X8, Canada**Canada
AUTHOR E-MAIL ADDRESS: jmcglade@sickkids.on.ca
JOURNAL: Journal of Biological Chemistry 278 (25): p23196-23203 June 20,
2003 2003
MEDIUM: print

ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/10
DIALOG(R)File 5:Biosis Previews(R)
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0014392314 BIOSIS NO.: 200300351033
Structural requirements for assembly of the CSLcntdotintracellular
NotchlcntdotMastermind-like 1 transcriptional activation complex.
AUTHOR: Nam Yunsun; Weng Andrew P; Aster Jon C; Blacklow Stephen C
(Reprint)
AUTHOR ADDRESS: Department of Pathology, Brigham and Women's Hospital and
Harvard Medical School, Boston, MA, 02115, USA**USA
AUTHOR E-MAIL ADDRESS: sblacklow@rics.bwh.harvard.edu
JOURNAL: Journal of Biological Chemistry 278 (23): p21232-21239 June 6,
2003 2003
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/11
DIALOG(R)File 5:Biosis Previews(R)
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0014387517 BIOSIS NO.: 200300346236
Proteolytic processing of the p75 neurotrophin ***receptor*** and two
homologs generates C-terminal fragments with signaling capability.
AUTHOR: Kanning Kevin C; Hudson Mark; Amieux Paul S; Wiley Jesse C;
Bothwell Mark (Reprint); Schecterson Leslayann C
AUTHOR ADDRESS: Department of Physiology and Biophysics, University of
Washington, 1959 Pacific Avenue, Box 357290, Seattle, WA, 98195, USA**USA
AUTHOR E-MAIL ADDRESS: mab@u.washington.edu
JOURNAL: Journal of Neuroscience 23 (13): p5425-5436 July 2, 2003 2003
MEDIUM: print
ISSN: 0270-6474 (ISSN print)
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/12
DIALOG(R)File 5:Biosis Previews(R)
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0014368563 BIOSIS NO.: 200300326859
EFFECTS OF ***NOTCH*** SIGNALING IN LEARNING AND MEMORY PROCESSES.
AUTHOR: Chen A (Reprint); Drew C (Reprint); Costa R C (Reprint); Matynia A
(Reprint); Weinmaster G (Reprint); Silva A (Reprint)
AUTHOR ADDRESS: Dept Neurobiol, Psychiat, Psychol and Brain Res Inst, UCLA,
Los Angeles, CA, USA**USA
JOURNAL: Society for Neuroscience Abstract Viewer and Itinerary Planner
2002 pAbstract No. 779.11 2002 2002
MEDIUM: cd-rom
CONFERENCE/MEETING: 32nd Annual Meeting of the Society for Neuroscience
Orlando, Florida, USA November 02-07, 2002; 20021102
SPONSOR: Society for Neuroscience
DOCUMENT TYPE: Meeting; Meeting Poster; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

13/3/13
DIALOG(R)File 5:Biosis Previews(R)
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0014366097 BIOSIS NO.: 200300324393
Translational repression of a C. elegans ~~Notch~~ mRNA by the STAR/KH
domain protein GLD-1.
AUTHOR: Marin Veronica A; Evans Thomas C (Reprint)
AUTHOR ADDRESS: Program in Molecular Biology, University of Colorado Health
Sciences Center, 4200 E, 9th Avenue, Denver, CO, 80262, USA**USA
AUTHOR E-MAIL ADDRESS: tom.evans@uchsc.edu
JOURNAL: Development (Cambridge) 130 (12): p2623-2632 June 2003 2003
MEDIUM: print
ISSN: 0950-1991
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/14
DIALOG(R)File 5:Biosis Previews(R)
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0014350984 BIOSIS NO.: 200300308473
Differential effects of inhibitors on the gamma-secretase complex.
Mechanistic implications.
AUTHOR: Kornilova Anna Y; Das Chittaranjan; Wolfe Michael S (Reprint)
AUTHOR ADDRESS: Center for Neurologic Diseases, Brigham and Women's
Hospital and Harvard Medical School, Boston, MA, 02115, USA**USA
AUTHOR E-MAIL ADDRESS: mwolfe@rics.bwh.harvard.edu
JOURNAL: Journal of Biological Chemistry 278 (19): p16470-16473 May 9,
2003 2003
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/15
DIALOG(R)File 5:Biosis Previews(R)
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0014312819 BIOSIS NO.: 200300267352
~~Notch~~ signaling regulates left-right asymmetry determination by
inducing Nodal expression.
AUTHOR: Krebs Luke T; Iwai Naomi; Nonaka Shigenori; Welsh Ian C; Lan Yu;
Jiang Rulang; Saijoh Yukio; O'Brien Timothy P; Hamada Hiroshi (Reprint);
Gridley Thomas
AUTHOR ADDRESS: Developmental Genetics Group, Graduate School of Frontier
Biosciences, Osaka University, Osaka, 565-0871, Japan**Japan
AUTHOR E-MAIL ADDRESS: hamada@fbs.osaka-u.ac.jp; gridley@jax.org
JOURNAL: Genes and Development 17 (10): p1207-1212 May 15, 2003 2003
MEDIUM: print
ISSN: 0890-9369
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
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0014299571 BIOSIS NO.: 200300258215
Regulated intramembrane proteolysis signaling via the interferon
~~receptor~~.
AUTHOR: Saleh Abu Z M (Reprint); Nguyen Vinh-Phuc; Krolewski John J
AUTHOR ADDRESS: Pathology, university of california, Irvine, 19172 Jamboree
rd, irvine, CA, 92612, USA**USA
AUTHOR E-MAIL ADDRESS: asaleh@uci.edu; phucvp@uci.edu; jkrolews@uci.edu
JOURNAL: FASEB Journal 17 (4-5): pAbstract No. 863.2 March 2003 2003
MEDIUM: e-file
CONFERENCE/MEETING: FASEB Meeting on Experimental Biology: Translating the

Genome San Diego, CA, USA April 11-15, 2003; 20030411
SPONSOR: FASEB
ISSN: 0892-6638 (ISSN print)
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

13/3/17
DIALOG(R)File 5:Biosis Previews(R)
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0014296618 BIOSIS NO.: 200300255337
Notch-induced proteolysis and nuclear localization of the Delta
ligand.
AUTHOR: Bland Christin E; Kimberly Priscilla; Rand Matthew D (Reprint)
AUTHOR ADDRESS: Dept. of Anatomy and Neurobiology, College of Medicine,
University of Vermont, HSRF 426C, Burlington, VT, 05405, USA**USA
AUTHOR E-MAIL ADDRESS: mdrand@zoo.uvm.edu
JOURNAL: Journal of Biological Chemistry 278 (16): p13607-13610 April 18,
2003 2003
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/18
DIALOG(R)File 5:Biosis Previews(R)
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0014259109 BIOSIS NO.: 200300217828
IkappaBalpha and p65 regulate the cytoplasmic shuttling of nuclear
corepressors: Cross-talk between ***Notch*** and NFkappaB pathways.
AUTHOR: Espinosa Lluís; Ingles-Esteve Julia; Robert-Moreno Alex; Bigas Anna
(Reprint)
AUTHOR ADDRESS: Centre Oncologia Molecular, Institut de Recerca Oncologica,
L'Hospitalet de Llobregat, Barcelona, 08907, Spain**Spain
AUTHOR E-MAIL ADDRESS: abigas@iro.es
JOURNAL: Molecular Biology of the Cell 14 (2): p491 502 February 2003 2003
MEDIUM: print
ISSN: 1059-1524
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/19
DIALOG(R)File 5:Biosis Previews(R)
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0014170211 BIOSIS NO.: 200300127321
Rhabdomyosarcoma expresses genes associated with inhibition of myoblast
differentiation.
AUTHOR: Heerema A E (Reprint); Linn S (Reprint); Zhu S (Reprint); van de
Rijn M (Reprint)
AUTHOR ADDRESS: Stanford University Medical Center, Stanford, CA, USA**USA
JOURNAL: Modern Pathology 16 (1): p280A January 2003 2003
MEDIUM: print
CONFERENCE/MEETING: 92nd Annual Meeting of the United States and Canadian
Academy of Pathology Washington, D.C., USA March 22-28, 2003; 20030322
ISSN: 0893-3952
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English

13/3/20
DIALOG(R)File 5:Biosis Previews(R)
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0014055119 BIOSIS NO.: 200300013838

SHARP is a novel component of the ~~Notch~~/RBP-Jkappa signalling pathway.

AUTHOR: Oswald Franz; Kostecka Ulrike; Astrahantseff Kathy; Bourteele Soizic; Dillinger Karin; Zechner Ulrich; Ludwig Leopold; Wilda Monika; Hameister Horst; Knoechel Walter; Liptay Susanne; Schmid Roland M (Reprint)

AUTHOR ADDRESS: Department of Internal Medicine, University of Ulm, Robert Koch-Strasse 8, D-89081, Ulm, Germany**Germany

AUTHOR E-MAIL ADDRESS: roland.schmid@medizin.uni-ulm.de

JOURNAL: EMBO (European Molecular Biology Organization) Journal 21 (20): p 5417-5426 October 15, 2002 2002

MEDIUM: print

ISSN: 0261-4189 (ISSN print)

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/21

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

0014008752 BIOSIS NO.: 200200602263

On the organisation of the regulatory region of the zebrafish deltaD gene

AUTHOR: Hans Stefan; Campos-Ortega Jose A (Reprint)

AUTHOR ADDRESS: Institut fuer Entwicklungsbiologie, Universitaet zu Koeln, 50923, Koeln, Germany**Germany

JOURNAL: Development (Cambridge) 129 (20): p4773-4784 October, 2002 2002

MEDIUM: print

ISSN: 0950-1991

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/22

DIALOG(R)File 5:Biosis Previews(R)

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0013983646 BIOSIS NO.: 200200577157

p300 and PCAF act cooperatively to mediate transcriptional activation from chromatin templates by ~~Notch~~ intracellular domains in vitro

AUTHOR: Wallberg Annika E (Reprint); Pedersen Kia; Lendahl Urban; Roeder Robert G

AUTHOR ADDRESS: Laboratory of Biochemistry and Molecular Biology, Rockefeller University, 1230 York Ave., New York, NY, 10021, USA**USA

JOURNAL: Molecular and Cellular Biology 22 (22): p7812-7819 November, 2002 2002

MEDIUM: print

ISSN: 0270-7306

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/23

DIALOG(R)File 5:Biosis Previews(R)

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0013971494 BIOSIS NO.: 200200565005

Identification of a family of Mastermind-like transcriptional coactivators for mammalian ~~Notch~~ receptors

AUTHOR: Wu Lizhi; Sun Tao; Kobayashi Karla; Gao Ping; Griffin James D (Reprint)

AUTHOR ADDRESS: Dana-Farber Cancer Institute, 44 Binney St., Boston, MA, 02115, USA**USA

JOURNAL: Molecular and Cellular Biology 22 (21): p7688-7700 November, 2002 2002

MEDIUM: print

ISSN: 0270-7306
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/24
DIALOG(R)File 5:Biosis Previews(R)
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0013945246 BIOSIS NO.: 200200538757
An EGFR/Ebi/Sno pathway promotes delta expression by inactivating
Su(H)/SMRTER repression during inductive ~~Notch~~ signaling
AUTHOR: Tsuda Leo; Nagaraj Raghavendra; Zipursky S Lawrence; Banerjee Utpal
(Reprint)
AUTHOR ADDRESS: Department of Molecular, Cell and Developmental Biology,
University of California, Los Angeles, Los Angeles, CA, 90095, USA**USA
JOURNAL: Cell 110 (5): p625-637 September 6, 2002 2002
MEDIUM: print
ISSN: 0092-8674
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/25
DIALOG(R)File 5:Biosis Previews(R)
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0013920908 BIOSIS NO.: 200200514419
The endocytic protein alpha-adaptin is required for Numb-mediated
asymmetric cell division in Drosophila
AUTHOR: Berdnik Daniela; Torok Tibor; Gonzalez-Gaitan Marcos; Knoblich
Juergen A (Reprint)
AUTHOR ADDRESS: Research Institute of Molecular Pathology (IMP), Dr. Bohr
Gasse 7, 1030, Vienna, Austria**Austria
JOURNAL: Developmental Cell 3 (2): p221-231 August, 2002 2002
MEDIUM: print
ISSN: 1534-5807
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/26
DIALOG(R)File 5:Biosis Previews(R)
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0013904053 BIOSIS NO.: 200200497564
Involvement of a proline-rich motif and RING-H2 finger of Deltex in the
regulation of ~~Notch~~ signaling
AUTHOR: Matsuno Kenji (Reprint); Ito Mikiko; Hori Kazuya; Miyashita
Fumiyasu; Suzuki Satoshi; Kishi Noriyuki; Artavanis-Tsakonas Spyros;
Okano Hideyuki
AUTHOR ADDRESS: Department of Biological Science and Technology, Science
University of Tokyo, 2641 Yamazaki, Noda, Chiba, 278-8510, Japan**Japan
JOURNAL: Development (Cambridge) 129 (4): p1049-1059 February, 2002 2002
MEDIUM: print
ISSN: 0950-1991
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/27
DIALOG(R)File 5:Biosis Previews(R)
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0013887678 BIOSIS NO.: 200200481189
Genetic screen for modifiers of the rough eye phenotype resulting from
overexpression of the ~~Notch~~ antagonist Hairless in Drosophila

AUTHOR: Schreiber Simone L; Preiss Anette; Nagel Anja C; Wech Irmgard;
Maier Dieter (Reprint)
AUTHOR ADDRESS: Universitaet Hohenheim, Institut fuer Genetik, Garbenstr.
30, 240, 70593, Stuttgart, Germany**Germany
JOURNAL: Genesis The Journal of Genetics and Development 33 (3): p141-152
July, 2002 2002
MEDIUM: print
ISSN: 1526-954X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/28
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0013884211 BIOSIS NO.: 200200477722
CADASIL: A common form of hereditary arteriopathy causing brain infarcts
and dementia
AUTHOR: Kalimo Hannu (Reprint); Ruchoux Marie-Magdaleine; Viitanen Matti;
Kalaria Raj N
AUTHOR ADDRESS: Department of Pathology (HK), Turku University Hospital,
FIN-20520, Turku, Finland**Finland
JOURNAL: Brain Pathology 12 (3): p371-384 July, 2002 2002
MEDIUM: print
ISSN: 1015-6305
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Abstract
LANGUAGE: English

13/3/29
DIALOG(R)File 5:Biosis Previews(R)
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0013865601 BIOSIS NO.: 200200459112
Delta/Notch-like epidermal growth factor (EGF)-related receptor
, a novel EGF-like repeat-containing protein targeted to dendrites of
developing and adult central nervous system neurons
AUTHOR: Eiraku Mototsugu; Hirata Yutaka; Takeshima Hiroshi; Hirano Tomoo;
Kengaku Mineko (Reprint)
AUTHOR ADDRESS: Department of Biophysics, Graduate School of Science, Kyoto
University, Sakyo-ku, Kyoto, 606-8502, Japan**Japan
JOURNAL: Journal of Biological Chemistry 277 (28): p25400-25407 July 12,
2002 2002
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/30
DIALOG(R)File 5:Biosis Previews(R)
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0013848084 BIOSIS NO.: 200200441595
The metalloprotease Kuzbanian (ADAM10) mediates the transactivation of EGF
receptor by G protein-coupled receptors
AUTHOR: Yan Yibing; Shirakabe Kyoko; Werb Zena (Reprint)
AUTHOR ADDRESS: Department of Anatomy, University of California, 513
Parnassus Ave., HSW 1321, San Francisco, CA, 94143-0452, USA**USA
JOURNAL: Journal of Cell Biology 158 (2): p221-226 July 22, 2002 2002
MEDIUM: print
ISSN: 0021-9525
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/31
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0013841045 BIOSIS NO.: 200200434556
Glycogen synthase kinase-3beta modulates ~~Notch~~ signaling and stability
AUTHOR: Foltz Daniel R; Santiago Michelle C; Berechid Bridget E; Nye Jeffrey S (Reprint)
AUTHOR ADDRESS: CNS Genomics, Pharmacia Corporation, 301 East Henrietta Street, 7242-209-331.1, Kalamazoo, MI, 49007, USA**USA
JOURNAL: Current Biology 12 (12): p1006-1011 June 25, 2002 2002
MEDIUM: print
ISSN: 0960-9822
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/32
DIALOG(R)File 5:Biosis Previews(R)
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0013805142 BIOSIS NO.: 200200398653
Proteolytic processing of low density lipoprotein ~~receptor~~-related protein mediates regulated release of its intracellular domain
AUTHOR: May Petra; Reddy Y Krishna; Herz Joachim (Reprint)
AUTHOR ADDRESS: Dept. of Molecular Genetics, University of Texas Southwestern, 5323 Harry Hines Blvd., Dallas, TX, 75390-9046, USA**USA
JOURNAL: Journal of Biological Chemistry 277 (21): p18736-18743 May 24, 2002 2002
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
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0013797595 BIOSIS NO.: 200200391106
Inducible gene knockout of transcription factor recombination signal ~~binding~~ protein-J reveals its essential role in T versus B lineage decision
AUTHOR: Han Hua; Tanigaki Kenji; Yamamoto Norio; Kuroda Kazuki; Yoshimoto Momoko; Nakahata Tatsutoshi; Ikuta Koichi; Honjo Tasuku (Reprint)
AUTHOR ADDRESS: Department of Medical Chemistry, Graduate School of Medicine, Kyoto University, Kyoto, 606-8501, Japan**Japan
JOURNAL: International Immunology 14 (6): p637-645 June, 2002 2002
MEDIUM: print
ISSN: 0953-8178
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
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0013770576 BIOSIS NO.: 200200364087
A provisional regulatory gene network for specification of endomesoderm in the sea urchin embryo
AUTHOR: Davidson Eric H (Reprint); Rast Jonathan P; Oliveri Paola; Ransick Andrew; Calestani Cristina; Yuh Chiou-Hwa; Minokawa Takuya; Amore Gabriele; Hinman Veronica; Arenas-Mena Cesar; Otim Ochan; Brown C Titus; Livi Carolina B; Lee Pei Yun; Revilla Roger; Schilstra Maria J; Clarke Peter J C; Rust Alistair G; Pan Zhengjun; Arnone Maria I; Rowen Lee; Cameron R Andrew; McClay David R; Hood Leroy; Bolouri Hamid

AUTHOR ADDRESS: Division of Biology, California Institute of Technology,
Pasadena, CA, 91125, USA**USA
JOURNAL: Developmental Biology 246 (1): p162-190 June 1, 2002 2002
MEDIUM: print
ISSN: 0012-1606
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/35
DIALOG(R)File 5:Biosis Previews(R)
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0013747034 BIOSIS NO.: 200200340545
The gamma-secretase-generated intracellular domain of beta-amyloid
precursor protein ~~***binds***~~ Numb and inhibits ~~***Notch***~~ signaling
AUTHOR: Roncarati Roberta; Sestan Nenad; Scheinfeld Meir H; Berechid
Bridget E; Lopez Peter A; Meucci Olimpia; McGlade Jane C; Rakic Pasko
(Reprint); D'Adamio Luciano
AUTHOR ADDRESS: Department of Neurobiology, Yale University School of
Medicine, 333 Cedar Street, New Haven, CT, 06520, USA**USA
JOURNAL: Proceedings of the National Academy of Sciences of the United
States of America 99 (10): p7102-7107 May 14, 2002 2002
MEDIUM: print
ISSN: 0027-8424
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
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0013722001 BIOSIS NO.: 200200315512
Proteolysis of chimeric beta-amyloid precursor proteins containing the
~~***Notch***~~ transmembrane domain yields amyloid beta-like peptides
AUTHOR: Zhang Jimin; Ye Wenjuan; Wang Rong; Wolfe Michael S; Greenberg
Barry D; Selkoe Dennis J (Reprint)
AUTHOR ADDRESS: Center for Neurologic Diseases, Harvard Institutes of
Medicine, 77 Ave. Louis Pasteur, 730, Boston, MA, 02115, USA**USA
JOURNAL: Journal of Biological Chemistry 277 (17): p15069-15075 April 26,
2002 2002
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
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0013719843 BIOSIS NO.: 200200313354
Notch3 promotes vascular smooth muscle cell (VSMC) survival: Resistance to
Fas-L-induced apoptosis and modulation of c-FLIP expression
AUTHOR: Wang Wenli (Reprint); Prince Chengyu (Reprint); Campos Alexandre H
(Reprint); Pollman Matthew J (Reprint)
AUTHOR ADDRESS: Cardiovascular Research Institute, Morehouse School of
Medicine, 720 Westview Drive SW, Atlanta, GA, 30310, USA**USA
JOURNAL: FASEB Journal 16 (4): pA209 March 20, 2002 2002
MEDIUM: print
CONFERENCE/MEETING: Annual Meeting of the Professional Research Scientists
on Experimental Biology New Orleans, Louisiana, USA April 20-24, 2002;
20020420
ISSN: 0892-6638
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
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0013710132 BIOSIS NO.: 200200303643
Notch activation of yan expression is antagonized by RTK/Pointed
signaling in the Drosophila eye
AUTHOR: Rohrbaugh Margaret; Ramos Edward; Nguyen Duc; Price Mitch; Wen Yu;
Lai Zhi-Chun (Reprint)
AUTHOR ADDRESS: Department of Biochemistry and Molecular Biology,
Pennsylvania State University, University Park, PA, 16802, USA**USA
JOURNAL: Current Biology 12 (7): p576-581 April 2, 2002 2002
MEDIUM: print
ISSN: 0960-9822
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
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0013696780 BIOSIS NO.: 200200290291
Selector and signalling molecules cooperate in organ patterning
AUTHOR: Curtiss Jennifer (Reprint); Halder Georg; Mlodzik Marek (Reprint)
AUTHOR ADDRESS: Department of Molecular, Cell and Developmental Biology,
Mt. Sinai School of Medicine, One Gustave L. Levy Place, New York, NY,
10029, USA**USA
JOURNAL: Nature Cell Biology 4 (3): pE48-E51 March, 2002 2002
MEDIUM: print
ISSN: 1465-7392
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/40
DIALOG(R)File 5:Biosis Previews(R)
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0013668074 BIOSIS NO.: 200200261585
Identification of a family of transcriptional co-activators for mammalian
Notch receptors
AUTHOR: Wu Lizi (Reprint); Kobayashi Karla (Reprint); Griffin James D
(Reprint)
AUTHOR ADDRESS: Adult Oncology, Dana-Farber Cancer Institute, Boston, MA,
USA**USA
JOURNAL: Blood 98 (11 Part 1): p830a November 16, 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 43rd Annual Meeting of the American Society of
Hematology, Part 1 Orlando, Florida, USA December 07-11, 2001; 20011207
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

13/3/41
DIALOG(R)File 5:Biosis Previews(R)
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0013643248 BIOSIS NO.: 200200236759
Activity-dependent isolation of the presenilin-gamma-secretase complex
reveals nicastrin and a gamma substrate
AUTHOR: Esler William P; Kimberly W Taylor; Ostaszewski Beth L; Ye Wenjuan;
Diehl Thekla S; Selkoe Dennis J (Reprint); Wolfe Michael S (Reprint)
AUTHOR ADDRESS: Center for Neurologic Diseases, Brigham and Women's

Hospital, Harvard Medical School, 77 Avenue Louis Pasteur, Boston, MA,
02115, USA**USA
JOURNAL: Proceedings of the National Academy of Sciences of the United
States of America 99 (5): p2720-2725 March 5, 2002 2002
MEDIUM: print
ISSN: 0027-8424
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0013605314 BIOSIS NO.: 200200198825
Differential regulation of Id genes by intracellular Notch1 in
hematopoietic cells
AUTHOR: Kojika Satoru (Reprint); Wu Lizi (Reprint); Griffin James D
(Reprint)
AUTHOR ADDRESS: Adult Oncology, Dana-Farber Cancer Institute, Boston, MA,
USA**USA
JOURNAL: Blood 98 (11 Part 1): p281a November 16, 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 43rd Annual Meeting of the American Society of
Hematology, Part 1 Orlando, Florida, USA December 07-11, 2001; 20011207
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster
RECORD TYPE: Abstract
LANGUAGE: English

13/3/43
DIALOG(R)File 5:Biosis Previews(R)
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0013604870 BIOSIS NO.: 200200198381
Numb suppresses the negative complementation at the ***Notch*** locus of
Drosophila melanogaster, suggesting a putative mechanism for negative
complementation
AUTHOR: Portin Petter (Reprint)
AUTHOR ADDRESS: Laboratory of Genetics, Department of Biology, University
of Turku, FIN-20014, Turku, Finland**Finland
JOURNAL: Genetical Research 78 (3): p19-223 December, 2001 2001
MEDIUM: print
ISSN: 0016-6723
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0013576104 BIOSIS NO.: 200200169615
Role of Deltex-1 as a transcriptional regulator downstream of the
Notch ***receptor***
AUTHOR: Yamamoto Naoya; Yamamoto Shin-Ichi; Inagaki Fuyuki; Kawaichi
Masashi; Fukamizu Akiyoshi; Kishi Noriyuki; Matsuno Kenji; Nakamura Kozo;
Weinmaster Gerry; Okano Hideyuki; Nakafuku Masato (Reprint)
AUTHOR ADDRESS: Dept. of Neurobiology, Graduate School of Medicine,
University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo, 113-0033, Japan**
Japan
JOURNAL: Journal of Biological Chemistry 276 (48): p45031-45040 November
30, 2001 2001
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract

LANGUAGE: English

13/3/45

DIALOG(R)File 5:Biosis Previews(R)
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0013570442 BIOSIS NO.: 200200163953

Direct induction of T lymphocyte-specific gene expression by the mammalian
%%Notch%% signaling pathway

AUTHOR: Reizis Boris; Leder Philip (Reprint)

AUTHOR ADDRESS: Department of Genetics, Howard Hughes Medical Institute,
Harvard Medical School, Boston, MA, 02115, USA**USA

JOURNAL: Genes and Development 16 (3): p295-300 February 1, 2002 2002

MEDIUM: print

ISSN: 0890-9369

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/46

DIALOG(R)File 5:Biosis Previews(R)
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0013568484 BIOSIS NO.: 200200161995

The intracellular domain of the beta-amyloid precursor protein is
stabilized by Fe65 and translocates to the nucleus in a %%notch%%-like
manner

AUTHOR: Kimberly W Taylor; Zheng Jessica B; Guenette Suzanne Y; Selkoe
Dennis J (Reprint)

AUTHOR ADDRESS: Center for Neurologic Diseases, Harvard Institutes of
Medicine, 77 Avenue Louis Pasteur, 730, Boston, MA, 02115, USA**USA

JOURNAL: Journal of Biological Chemistry 276 (43): p40288-40292 October
26, 2001 2001

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/47

DIALOG(R)File 5:Biosis Previews(R)
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0013564562 BIOSIS NO.: 200200158073

Differential %%binding%% and activation of Notch1 and Notch2 by wild-type
and mutant forms of Delta1

AUTHOR: Senh Alan (Reprint); di Sibio Guy; Weinmaster Gerry; Nofziger Donna
(Reprint)

AUTHOR ADDRESS: Natural Science Division, Pepperdine University, 24255
Pacific Coast Hwy., Malibu, CA, 90263, USA**USA

JOURNAL: Molecular Biology of the Cell 12 (Supplement): p369a Nov, 2001
2001

MEDIUM: print

CONFERENCE/MEETING: 41st Annual Meeting of the American Society for Cell
Biology Washington DC, USA December 08-12, 2001; 20011208

SPONSOR: American Society for Cell Biology

ISSN: 1059-1524

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Citation

LANGUAGE: English

13/3/48

DIALOG(R)File 5:Biosis Previews(R)
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0013519366 BIOSIS NO.: 200200112877

Novel %%Notch%% alleles reveal a Deltex-dependent pathway repressing

neural fate
AUTHOR: Ramain Philippe; Khechumian Konstantin; Seugnet Laurent; Arbogast
Nadine; Ackermann Claudine; Heitzler Pascal (Reprint)
AUTHOR ADDRESS: Institut de Genetique et de Biologie Moleculaire et
Cellulaire, CNRS/INSERM/ULP, 67404, Illkirch Cedex, France**France
JOURNAL: Current Biology 11 (22): p1729-1738 13 November, 2001 2001
MEDIUM: print
ISSN: 0960-9822
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/49
DIALOG(R)File 5:Biosis Previews(R)
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0013417421 BIOSIS NO.: 200200010932
Implication of APP secretases in ***Notch*** signaling
AUTHOR: Hartmann Dieter; Tournoy Jos; Saftig Paul; Annaert Wim (Reprint);
De Strooper Bart (Reprint)
AUTHOR ADDRESS: Center for Human Genetics, Neuronal Cell Biology
Laboratory, K.U. Leuven and Flanders Interuniversity Institute for
Biotechnology, Herestraat 49, Campus Gasthuisberg, B-3000, Leuven,
Belgium**Belgium
JOURNAL: Journal of Molecular Neuroscience 17 (2): p171-181 October, 2001
2001
MEDIUM: print
ISSN: 0895-8696
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Abstract
LANGUAGE: English

13/3/50
DIALOG(R)File 5:Biosis Previews(R)
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0013410453 BIOSIS NO.: 200200003964
Notch is a ***receptor*** for F3 and NB-3: A paranodal axon glial
signalling mechanism during myelination
AUTHOR: Ang B T (Reprint); Karsak M; Lee S; Takeda Y; Lendahl U; Rougon G;
Israel A; Schachner M; Watanabe K; Xiao C
AUTHOR ADDRESS: Department of Anatomy, National University of Singapore,
Singapore, Singapore**Singapore
JOURNAL: Society for Neuroscience Abstracts 27 (2): p2385 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience
San Diego, California, USA November 10-15, 2001; 20011110
ISSN: 0190-5295
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

13/3/51
DIALOG(R)File 5:Biosis Previews(R)
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0013410406 BIOSIS NO.: 200200003917
Neural crest migration is disrupted in mice mutant for Dll-1 gene
AUTHOR: De Bellard M E (Reprint); Ching W (Reprint); Gossler A (Reprint);
Bronner-Fraser M (Reprint)
AUTHOR ADDRESS: Dept Biol, Caltech, Pasadena, CA, USA**USA
JOURNAL: Society for Neuroscience Abstracts 27 (2): p2377 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience
San Diego, California, USA November 10-15, 2001; 20011110
ISSN: 0190-5295
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract

LANGUAGE: English

13/3/52

DIALOG(R)File 5:Biosis Previews(R)
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0013408973 BIOSIS NO.: 200200002484
Evidence that Numb and ~~Notch~~ modulate neuronal calcium channel
activity
AUTHOR: Lu C (Reprint); Pedersen W (Reprint); Fu W (Reprint); Zhu H
(Reprint); Mattson M P (Reprint)
AUTHOR ADDRESS: Laboratory of Neurosciences, National Institute on Aging,
Baltimore, MD, USA**USA
JOURNAL: Society for Neuroscience Abstracts 27 (2): p2091 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience
San Diego, California, USA November 10-15, 2001; 20011110
ISSN: 0190-5295
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

13/3/53

DIALOG(R)File 5:Biosis Previews(R)
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0013402254 BIOSIS NO.: 200100574093
The ~~Notch~~ pathway is critical for adult brain function
AUTHOR: Costa R M (Reprint); Miyamoto A; Honjo T; Weinmaster G; Silva A J
(Reprint)
AUTHOR ADDRESS: Dept Neurobiol, Psychiatry and Psychology, UCLA, Los
Angeles, CA, USA**USA
JOURNAL: Society for Neuroscience Abstracts 27 (2): p1980 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience
San Diego, California, USA November 10-15, 2001; 20011110
ISSN: 0190-5295
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

13/3/54

DIALOG(R)File 5:Biosis Previews(R)
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0013390571 BIOSIS NO.: 200100562410
Consequences of CADASIL mutations on Notch3 signaling and muscle cell
differentiation
AUTHOR: Haritunians T (Reprint); Park C (Reprint); Weinmaster G; Schanen C
(Reprint)
AUTHOR ADDRESS: Hum Gen, Univ of Calif, Los Angeles, Los Angeles, CA, USA**
USA
JOURNAL: Society for Neuroscience Abstracts 27 (2): p1783 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience
San Diego, California, USA November 10-15, 2001; 20011110
ISSN: 0190-5295
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

13/3/55

DIALOG(R)File 5:Biosis Previews(R)
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0013375606 BIOSIS NO.: 200100547445
GSK3beta phosphorylates ~~Notch~~ and modulates signaling

AUTHOR: Foltz D R (Reprint); Nye J S (Reprint)
AUTHOR ADDRESS: Molec. Pharmacol. and Pediatrics, Northwestern Univ.,
Chicago, IL, USA**USA
JOURNAL: Society for Neuroscience Abstracts 27 (1): p1443 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience
San Diego, California, USA November 10-15, 2001; 20011110
ISSN: 0190-5295
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

13/3/56
DIALOG(R)File 5:Biosis Previews(R)
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0013375345 BIOSIS NO.: 200100547184
Expression of Mash1 in oligodendrocyte lineage cells
AUTHOR: Kagawa T (Reprint); Wada T (Reprint); Nakahira E (Reprint); Shimizu
T (Reprint); Pfeiffer S E; Zalc B; Gullemot F; Saito T; Ikenaka K
(Reprint)
AUTHOR ADDRESS: National Institute for Physiological Sciences, Okazaki,
Japan**Japan
JOURNAL: Society for Neuroscience Abstracts 27 (1): p1238 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience
San Diego, California, USA November 10-15, 2001; 20011110
ISSN: 0190-5295
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

13/3/57
DIALOG(R)File 5:Biosis Previews(R)
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0013365227 BIOSIS NO.: 200100537066
p300 acts as a transcriptional coactivator for mammalian ***Notch***-1
AUTHOR: Oswald Franz; Tauber Birgitt; Dobner Thomas; Bourteele Soizic;
Kostezka Ulrike; Adler Guido; Liptay Susanne; Schmid Roland M (Reprint)
AUTHOR ADDRESS: Department of Internal Medicine I, Robert-Koch-Strasse 8,
D-89081, Ulm, Germany**Germany
JOURNAL: Molecular and Cellular Biology 21 (22): p7761-7774 November, 2001
2001
MEDIUM: print
ISSN: 0270-7306
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/58
DIALOG(R)File 5:Biosis Previews(R)
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0013342284 BIOSIS NO.: 200100514123
SEL-10 is an inhibitor of ***Notch*** signaling that targets ***Notch***
for ubiquitin-mediated protein degradation
AUTHOR: Wu Guangyu; Lyapina Svetlana; Das Indranil; Li Jinhe; Gurney Mark;
Pauley Adele; Chui Inca; Deshaies Raymond J; Kitajewski Jan (Reprint)
AUTHOR ADDRESS: Departments of Pathology and Obstetrics and Gynecology,
Columbia University, 630 West 168 St., New York, NY, 10032, USA**USA
JOURNAL: Molecular and Cellular Biology 21 (21): p7403-7415 November, 2001
2001
MEDIUM: print
ISSN: 0270-7306
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/59

DIALOG(R)File 5:Biosis Previews(R)
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0013337555 BIOSIS NO.: 200100509394
Notch-1 is expressed in cells emerging from the postnatal
subventricular zone of the mouse brain
AUTHOR: Givogri M I (Reprint); Ghiani C (Reprint); de Vellis J (Reprint);
Bongarzone E R (Reprint)
AUTHOR ADDRESS: MRRC, University of California, Los Angeles, CA, USA**USA
JOURNAL: Society for Neuroscience Abstracts 27 (1): p638 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience
San Diego, California, USA November 10-15, 2001; 20011110
ISSN: 0190-5295
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RECORD TYPE: Abstract
LANGUAGE: English

13/3/60

DIALOG(R)File 5:Biosis Previews(R)
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0013300944 BIOSIS NO.: 200100472783
Functional interaction between SEL-10, an F-box protein, and the nuclear
form of activated Notch1 ***receptor***
AUTHOR: Gupta-Rossi Neetu; Le Bail Odile; Gonen Hedva; Brou Christel;
Logeat Frederique; Six Emmanuelle; Ciechanover Aaron; Israel Alain
(Reprint)
AUTHOR ADDRESS: Unite de Biologie Moleculaire de l'Expression Genique, FRE
2364, CNRS, Institut Pasteur, 25 Rue du Dr Roux, 75724, Paris Cedex 15,
France**France
JOURNAL: Journal of Biological Chemistry 276 (37): p34371-34378 September
14, 2001 2001
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/61

DIALOG(R)File 5:Biosis Previews(R)
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0013299238 BIOSIS NO.: 200100471077
Notch receptors and hematopoiesis
AUTHOR: Kojika Satoru; Griffin James D (Reprint)
AUTHOR ADDRESS: Department of Adult Oncology, Dana Farber Cancer Institute,
44 Binney Street, Boston, MA, 02115, USA**USA
JOURNAL: Experimental Hematology (Charlottesville) 29 (9): p1041-1052
September, 2001 2001
MEDIUM: print
ISSN: 0301-472X
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Abstract
LANGUAGE: English

13/3/62

DIALOG(R)File 5:Biosis Previews(R)
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0013267572 BIOSIS NO.: 200100439411
The effect of CADASIL-linked mutations in ***Notch*** on ligand
binding
AUTHOR: Buhrman Jonathan (Reprint); Nofziger Donna
AUTHOR ADDRESS: Pepperdine University, 24255 Pacific Coast Hwy., Malibu,

CA, 90263, USA**USA
JOURNAL: Molecular Biology of the Cell 11 (Supplement): p106a Dec., 2000
2000
MEDIUM: print
CONFERENCE/MEETING: 40th American Society for Cell Biology Annual Meeting
San Francisco, CA, USA December 09-13, 2000; 20001209
SPONSOR: American Society for Cell Biology
ISSN: 1059-1524
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English

13/3/63
DIALOG(R)File 5:Biosis Previews(R)
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0013237299 BIOSIS NO.: 200100409138
Induction of cyclin D1 transcription and CDK2 activity by Notchic:
Implication for cell cycle disruption in transformation by Notchic
AUTHOR: Ronchini Chiara; Capobianco Anthony J (Reprint)
AUTHOR ADDRESS: Department of Molecular Genetics, College of Medicine,
University of Cincinnati, 231 Albert Sabin Way, Cincinnati, OH,
45267-0524, USA**USA
JOURNAL: Molecular and Cellular Biology 21 (17): p5925-5934 September,
2001 2001
MEDIUM: print
ISSN: 0270-7306
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/64
DIALOG(R)File 5:Biosis Previews(R)
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0013237101 BIOSIS NO.: 200100408940
HERP, a novel heterodimer partner of HES/E(spl) in ~~notch~~ signaling
AUTHOR: Iso Tatsuya; Sartorelli Vittorio; Poizat Coralie; Iezzi Simona; Wu
Hung-Yi; Chung Gene; Kedes Larry (Reprint); Hamamori Yasuo
AUTHOR ADDRESS: 2250 Alcazar St., Los Angeles, CA, 90089, USA**USA
JOURNAL: Molecular and Cellular Biology 21 (17): p6080-6089 September,
2001 2001
MEDIUM: print
ISSN: 0270-7306
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/65
DIALOG(R)File 5:Biosis Previews(R)
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0013237100 BIOSIS NO.: 200100408939
HERP, a new primary target of ~~notch~~ regulated by ligand ~~binding~~
AUTHOR: Iso Tatsuya; Sartorelli Vittorio; Chung Gene; Shichinohe Toshiaki;
Kedes Larry (Reprint); Hamamori Yasuo (Reprint)
AUTHOR ADDRESS: 2250 Alcazar St., Los Angeles, CA, 90089, USA**USA
JOURNAL: Molecular and Cellular Biology 21 (17): p6071-6079 September,
2001 2001
MEDIUM: print
ISSN: 0270-7306
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/66
DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

0013218894 BIOSIS NO.: 200100390733
Identifying intercellular signaling genes expressed in malignant plasma
cells by using complementary DNA arrays
AUTHOR: De Vos John; Couderc Guilhem; Tarte Karin; Jourdan Michel;
Requirand Guilhem; Delteil Marie-Claude; Rossi Jean-Francois; Mechti
Nadir; Klein Bernard (Reprint)
AUTHOR ADDRESS: INSERM U475, 99 Rue Puech Villa, 34197, Montpellier Cedex
5, France**France
JOURNAL: Blood 98 (3): p771-780 August 1, 2001 2001
MEDIUM: print
ISSN: 0006-4971
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/67

DIALOG(R)File 5:Biosis Previews(R)
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0013172908 BIOSIS NO.: 200100344747
The origin of the ankyrin repeat region in %%%Notch%%% intracellular
domains is critical for regulation of HES promoter activity
AUTHOR: Beatus Paul; Lundkvist Johan; Oberg Camilla; Pedersen Kia; Lendahl
Urban (Reprint)
AUTHOR ADDRESS: Department of Cell and Molecular Biology, Medical Nobel
Institute, Karolinska Institute, SE-171 77, Stockholm, Sweden**Sweden
JOURNAL: Mechanisms of Development 104 (1-2): p3-20 June, 2001 2001
MEDIUM: print
ISSN: 0925-4773
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/68

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0013163008 BIOSIS NO.: 200100334847
Transcriptional repression by Suppressor of Hairless involves the
%%%binding%%% of a Hairless-dCtBP complex in Drosophila
AUTHOR: Morel Veronique; Lecourtois Magalie; Massiani Olivia; Maier Dieter;
Preiss Anette; Schweisguth Francois (Reprint)
AUTHOR ADDRESS: Ecole Normale Supérieure, Unité Mixte de Recherche 8544, 46
Rue d'Ulm, 75230, Paris Cedex 05, France**France
JOURNAL: Current Biology 11 (10): p789-792 15 May, 2001 2001
MEDIUM: print
ISSN: 0960-9822
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/69

DIALOG(R)File 5:Biosis Previews(R)
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0013140304 BIOSIS NO.: 200100312143
Distinctive intercellular signaling gene expression in malignant plasma
cells identified by clustering analysis of myeloma versus autologous
lymphoblastoid cell lines
AUTHOR: De Vos John (Reprint); Couderc Guilhem; Jourdan Michel (Reprint);
Requirand Guilhem; Delteil Marie-Claude; Rossi Jean-Francois; Mechti
Nadir (Reprint); Klein Bernard (Reprint)
AUTHOR ADDRESS: U475, INSERM, CHU, Montpellier, France**France
JOURNAL: Blood 96 (11 Part 1): p700a November 16, 2000 2000
MEDIUM: print
CONFERENCE/MEETING: 42nd Annual Meeting of the American Society of

Hematology San Francisco, California, USA December 01-05, 2000; 20001201
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster
RECORD TYPE: Abstract
LANGUAGE: English

13/3/70
DIALOG(R)File 5:Biosis Previews(R)
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0013128248 BIOSIS NO.: 200100300087
Linking ~~Notch~~ signaling, chromatin remodeling, and T-cell
leukemogenesis
AUTHOR: Bresnick Emery H (Reprint); Chu Jianlin; Christensen Heather M; Lin
Bernice; Norton Jason
AUTHOR ADDRESS: Department of Pharmacology, Molecular and Cellular
Pharmacology Program, University of Wisconsin Medical School, 1300
University Avenue, 387 Medical Sciences Center, Madison, WI, 53706, USA**
USA
JOURNAL: Journal of Cellular Biochemistry Supplement (35): p46-53 2000 2000
MEDIUM: print
ISSN: 0733-1959
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Abstract
LANGUAGE: English

13/3/71
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0013094229 BIOSIS NO.: 200100266068
A site in the complement ~~receptor~~ 2 (CR2/CD21) silencer is necessary
for lineage specific transcriptional regulation
AUTHOR: Makar Karen W; Ulgiati Daniela; Hagman James; Holers V Michael
(Reprint)
AUTHOR ADDRESS: Division of Rheumatology, University of Colorado Health
Sciences Center, 4200 East Ninth Avenue, Denver, CO, 80262, USA**USA
JOURNAL: International Immunology 13 (5): p657-664 May, 2001 2001
MEDIUM: print
ISSN: 0953-8178
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/72
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0013091813 BIOSIS NO.: 200100263652
Fringe modulates the ~~notch~~ signaling pathway by altering O-linked
carbohydrate structures on ~~notch~~
AUTHOR: Haltiwanger Robert S (Reprint)
AUTHOR ADDRESS: Biochemistry and Cell Biology, State University of New York
at Stony Brook, Stony Brook, NY, 11794-5215, USA**USA
JOURNAL: FASEB Journal 15 (5): pA864 March 8, 2001 2001
MEDIUM: print
CONFERENCE/MEETING: Annual Meeting of the Federation of American Societies
for Experimental Biology on Experimental Biology 2001 Orlando, Florida,
USA March 31-April 04, 2001; 20010331
ISSN: 0892-6638
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

13/3/73
DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

0013084948 BIOSIS NO.: 200100256787
Presenilins: Proteolysis from womb to tomb
AUTHOR: Wolfe Michael Scott (Reprint)
AUTHOR ADDRESS: Brigham and Women's Hospital, Harvard Medical School, 77
Avenue Louis Pasteur, H.I.M. 626, Boston, MA, 02115, USA**USA
JOURNAL: FASEB Journal 15 (4): pA390 March 7, 2001 2001
MEDIUM: print
CONFERENCE/MEETING: Annual Meeting of the Federation of American Societies
for Experimental Biology on Experimental Biology 2001 Orlando, Florida,
USA March 31-April 04, 2001; 20010331
ISSN: 0892-6638
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

13/3/74

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0013048796 BIOSIS NO.: 200100220635
Notch pathway: Making sense of Suppressor of Hairless
AUTHOR: Bray Sarah (Reprint); Furriols Marc (Reprint)
AUTHOR ADDRESS: Department of Anatomy, University of Cambridge, Downing
Street, Cambridge, CB2 3DY, UK**UK
JOURNAL: Current Biology 11 (6): pR217-R221 20 March, 2001 2001
MEDIUM: print
ISSN: 0960-9822
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/75

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0013026928 BIOSIS NO.: 200100198767
Proneural enhancement by ***Notch*** overcomes Suppressor-of-Hairless
repressor function in the developing Drosophila eye
AUTHOR: Li Yanxia; Baker Nicholas E (Reprint)
AUTHOR ADDRESS: Department of Molecular Genetics, Albert Einstein College
of Medicine, Bronx, NY, 10461, USA**USA
JOURNAL: Current Biology 11 (5): p330-338 6 March, 2001 2001
MEDIUM: print
ISSN: 0960-9822
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/76

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012980025 BIOSIS NO.: 200100151864
Activation of the ***Notch***-regulated transcription factor
CBF1/RBP-Jkappa through the 13SE1A oncoprotein
AUTHOR: Ansieau Stephane; Strobl Lothar J; Leutz Achim (Reprint)
AUTHOR ADDRESS: Max-Delbrueck-Centrum fuer Molekulare Medizin, 13122,
Berlin, Germany**Germany
JOURNAL: Genes and Development 15 (4): p380-385 February 15, 2001 2001
MEDIUM: print
ISSN: 0890-9369
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/77

DIALOG(R)File 5:Biosis Previews(R)
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0012936865 BIOSIS NO.: 200100108704

Survey of expression of cytokines and their receptors in cultures of
EGF-dependent murine neural precursor cells derived from embryonic
striatum

AUTHOR: Savarese T M (Reprint); Pang L; Benoit B; Quesenberry P

AUTHOR ADDRESS: Univ Massachusetts Med Sch, Worcester, MA, USA**USA

JOURNAL: Society for Neuroscience Abstracts 26 (1-2): pAbstract No.-602.17
2000 2000

MEDIUM: print

CONFERENCE/MEETING: 30th Annual Meeting of the Society of Neuroscience New
Orleans, LA, USA November 04-09, 2000; 20001104

SPONSOR: Society for Neuroscience

ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

13/3/78

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012931131 BIOSIS NO.: 200100102970

Cloning and functional analysis of SEL1L promoter region, a
pancreas-specific gene

AUTHOR: Cattaneo Monica; Sorio Claudio; Malferrari Giulia; Rogozin Igor B;
Bernard Loris; Scarpa Aldo; Zollo Massimo; Biunno Ida (Reprint)

AUTHOR ADDRESS: Istituto di Tecnologie Biomediche, Avanzante-CNR, Via Filli
Cervi 93, 20090, Segrate, Milan, Italy**Italy

JOURNAL: DNA and Cell Biology 20 (1): p1-9 January, 2001 2001

MEDIUM: print

ISSN: 1044-5498

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/79

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012904231 BIOSIS NO.: 200100076070

Neurotrophic and neuroregenerative activity of a novel immunophilin ligand

AUTHOR: Gold B G (Reprint); Tucker E; Robinson D; Voda J; Bender S; Deal J;
Guo A; Vanderpool D; Margosiak S; Showalter R E; Villafranca J E

AUTHOR ADDRESS: Oregon Hlth Sci Univ, Portland, OR, USA**USA

JOURNAL: Society for Neuroscience Abstracts 26 (1-2): pAbstract No.-124.17
2000 2000

MEDIUM: print

CONFERENCE/MEETING: 30th Annual Meeting of the Society of Neuroscience New
Orleans, LA, USA November 04-09, 2000; 20001104

SPONSOR: Society for Neuroscience

ISSN: 0190-5295

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

13/3/80

DIALOG(R)File 5:Biosis Previews(R)
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0012889799 BIOSIS NO.: 200100061638

Members of the HRT family of basic helix-loop-helix proteins act as
transcriptional repressors downstream of ***Notch*** signaling

AUTHOR: Nakagawa Osamu; McFadden David G; Nakagawa Masayo; Yanagisawa

Hiromi; Hu Tonghuan; Srivastava Deepak (Reprint); Olson Eric N (Reprint)

AUTHOR ADDRESS: Department of Molecular Biology, The University of Texas
Southwestern Medical Center at Dallas, 6000 Harry Hines Boulevard,
Dallas, TX, 75390-9148, USA**USA

JOURNAL: Proceedings of the National Academy of Sciences of the United
States of America 97 (25): p13655-13660 December 5, 2000 2000

MEDIUM: print

ISSN: 0027-8424

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/81

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

0012889591 BIOSIS NO.: 200100061430

Characterization of the CBF1 nuclear protein

AUTHOR: Sasso M P (Reprint); Faggioli L; Confalone E (Reprint); Palmieri M;
Furia A (Reprint)

AUTHOR ADDRESS: Dipartimento di Chimica Organica e Biologica, Facolta di
Scienze M.F.N., Universita Federico II, Naples, Italy**Italy

JOURNAL: Biochemical Society Transactions 28 (5): pA287 October, 2000 2000

MEDIUM: print

CONFERENCE/MEETING: 18th International Congress of Biochemistry and
Molecular Biology Birmingham, UK July 16-20, 2000; 20000716

SPONSOR: International Union of Biochemistry and Molecular Biology
Federation of European Biochemical Societies
Biochemical Society

ISSN: 0300-5127

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Citation

LANGUAGE: English

13/3/82

DIALOG(R)File 5:Biosis Previews(R)

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0012889209 BIOSIS NO.: 200100061048

MAML1, a human homologue of Drosophila Mastermind, is a transcriptional
co-activator for %%%NOTCH%%% receptors

AUTHOR: Wu Lizi; Aster Jon C; Blacklow Stephen C; Lake Robert;
Artavanis-Tsakonas Spyros; Griffin James D (Reprint)

AUTHOR ADDRESS: Department of Adult Oncology, Departments of Medicine,
Dana-Farber Cancer Institute, Brigham and Women's Hospital and Harvard
Medical School, Boston, MA, USA**USA

JOURNAL: Nature Genetics 26 (4): p484-489 December, 2000 2000

MEDIUM: print

ISSN: 1061-4036

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/83

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

0012866562 BIOSIS NO.: 200100038401

Numb is an endocytic protein

AUTHOR: Santolini Elisa; Puri Claudia; Salcini Anna Elisabetta; Gagliani
Maria Cristina; Pelicci Pier Giuseppe; Tacchetti Carlo; Di Fiore Pier
Paolo (Reprint)

AUTHOR ADDRESS: Istituto Europeo di Oncologia, Via Ripamonti 435, 20141,
Milan, Italy**Italy

JOURNAL: Journal of Cell Biology 151 (6): p1345-1351 December 11, 2000
2000

MEDIUM: print

ISSN: 0021-9525

DOCUMENT TYPE: Article

RECORD TYPE: Abstract
LANGUAGE: English

13/3/84

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012759567 BIOSIS NO.: 200000477880

Essential roles for ankyrin repeat and transactivation domains in induction of T-cell leukemia by Notch1

AUTHOR: Aster Jon C (Reprint); Xu Lanwei; Karnell Fredrick G; Patriub Vytas ; Pui John C; Pear Warren S

AUTHOR ADDRESS: Department of Pathology, Brigham and Women's Hospital, Boston, MA, 02115, USA**USA

JOURNAL: Molecular and Cellular Biology 20 (20): p7505-7515 October, 2000 2000

MEDIUM: print

ISSN: 0270-7306

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/85

DIALOG(R)File 5:Biosis Previews(R)
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0012747719 BIOSIS NO.: 200000466032

Transition-state analogue inhibitors of gamma-secretase ***bind*** directly to presenilin-1

AUTHOR: Esler William P; Kimberly W Taylor; Ostaszewski Beth L; Diehl Thekla S; Moore Chad L; Tsai Jui-Yi; Rahmati Talat; Xia Weiming; Selkoe Dennis J; Wolfe Michael S (Reprint)

AUTHOR ADDRESS: Center for Neurologic Diseases, Harvard Medical School and Brigham and Women's Hospital, 77 Avenue Louis Pasteur, Boston, MA, 02115, USA**USA

JOURNAL: Nature Cell Biology 2 (7): p428-434 July, 2000 2000

MEDIUM: print

ISSN: 1465-7392

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/86

DIALOG(R)File 5:Biosis Previews(R)
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0012747258 BIOSIS NO.: 200000465571

Physical interaction of Delta1, Jagged1, and Jagged2 with Notch1 and Notch3 receptors

AUTHOR: Shimizu Kiyoshi; Chiba Shigeru; Saito Toshiki; Kumano Keiki; Hirai Hisamaru (Reprint)

AUTHOR ADDRESS: Department of Cell Therapy and Transplantation Medicine, University of Tokyo Hospital, 7-3 1 Hongo, Bunkyo-ku, Tokyo, 113-8655, Japan**Japan

JOURNAL: Biochemical and Biophysical Research Communications 276 (1): p 385-389 September 16, 2000 2000

MEDIUM: print

ISSN: 0006-291X

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/87

DIALOG(R)File 5:Biosis Previews(R)
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0012736219 BIOSIS NO.: 200000454532

Two different activities of Suppressor of Hairless during wing development
in Drosophila
AUTHOR: Klein Thomas (Reprint); Seugnet Laurent; Haenlin Marc; Martinez
Arias Alfonso
AUTHOR ADDRESS: Institut fuer Genetik, Universitaet zu Koeln, Weyertal 121,
50931, Koeln, Germany**Germany
JOURNAL: Development (Cambridge) 127 (16): p3553-3566 August, 2000 2000
MEDIUM: print
ISSN: 0950-1991
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/88
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012721652 BIOSIS NO.: 200000439965
Glycosyltransferase activity of Fringe modulates Notch-Delta
interactions
AUTHOR: Brueckner Katja; Perez Lidia; Clausen Henrik; Cohen Stephen
(Reprint)
AUTHOR ADDRESS: European Molecular Biology Laboratory, Meyerhofstr 1,
69117, Heidelberg, Germany**Germany
JOURNAL: Nature (London) 406 (6794): p411-415 July 27, 2000 2000
MEDIUM: print
ISSN: 0028-0836
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/89
DIALOG(R)File 5:Biosis Previews(R)
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0012695124 BIOSIS NO.: 200000413437
Aspartate mutations in presenilin and gamma-secretase inhibitors both
impair Notch1 proteolysis and nuclear translocation with relative
preservation of Notch1 signaling
AUTHOR: Berezovska Oksana; Jack Christine; McLean Pamela; Aster Jon C;
Hicks Carol; Xia Weiming; Wolfe Michael S; Kimberly W Taylor; Weinmaster
Gerry; Selkoe Dennis J; Hyman Bradley T (Reprint)
AUTHOR ADDRESS: Hyman at Alzheimer's Disease Unit, Massachusetts General
Hospital, 149-13th Street, Room 6405, Charlestown, MD, 02129, USA**USA
JOURNAL: Journal of Neurochemistry 75 (2): p583-593 August, 2000 2000
MEDIUM: print
ISSN: 0022-3042
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/90
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012689665 BIOSIS NO.: 200000407978
Notch1-ER chimeras display hormone-dependent transformation, nuclear
accumulation, phosphorylation and CBF1 activation
AUTHOR: Ronchini Chiara; Capobianco Anthony J (Reprint)
AUTHOR ADDRESS: Department of Molecular Genetics, College of Medicine,
University of Cincinnati, 231 Bethesda Avenue, Cincinnati, OH,
45267-0524, USA**USA
JOURNAL: Oncogene 19 (34): p3914-3924 10 August, 2000 2000
MEDIUM: print
ISSN: 0950-9232
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/91

DIALOG(R)File 5:Biosis Previews(R)
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0012671299 BIOSIS NO.: 200000389612
Mathematical modelling of juxtacrine patterning
AUTHOR: Wearing H J (Reprint); Owen M R; Sherratt J A
AUTHOR ADDRESS: Department of Mathematics, Heriot-Watt University,
Edinburgh, EH14 4AS, UK**UK
JOURNAL: Bulletin of Mathematical Biology 62 (2): p293-320 March, 2000
2000
MEDIUM: print
ISSN: 0092-8240
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/92

DIALOG(R)File 5:Biosis Previews(R)
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0012670322 BIOSIS NO.: 200000388635
Notch signalling
AUTHOR: Schweisguth Francois (Reprint)
AUTHOR ADDRESS: Ecole Normale Supérieure, Chrs ATIPE UMR 8544, 46, Rue
d'Ulm, 75230, Paris Cedex 05, France**France
JOURNAL: M-S (Medecine Sciences) 16 (2): p186-191 Feb., 2000 2000
MEDIUM: print
ISSN: 0767-0974
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: French

13/3/93

DIALOG(R)File 5:Biosis Previews(R)
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0012657972 BIOSIS NO.: 200000376285
LAG-3 is a putative transcriptional activator in the C. elegans ***Notch***
pathway
AUTHOR: Petcherski Andrei G; Kimble Judith (Reprint)
AUTHOR ADDRESS: Department of Biochemistry, Howard Hughes Medical
Institute, University of Wisconsin-Madison, 433 Babcock Drive, Madison,
WI, 53706, USA**USA
JOURNAL: Nature (London) 405 (6784): p364-368 18 May, 2000 2000
MEDIUM: print
ISSN: 0028-0836
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/94

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012657762 BIOSIS NO.: 200000376075
The ***Notch*** signalling regulator Fringe acts in the Golgi apparatus and
requires the glycosyltransferase signature motif DxD
AUTHOR: Munro Sean (Reprint); Freeman Matthew (Reprint)
AUTHOR ADDRESS: MRC Laboratory of Molecular Biology, Hills Road, Cambridge,
CB2 2QH, UK**UK
JOURNAL: Current Biology 10 (14): p813-820 13 July, 2000 2000
MEDIUM: print
ISSN: 0960-9822
DOCUMENT TYPE: Article
RECORD TYPE: Abstract

LANGUAGE: English

13/3/95

DIALOG(R)File 5:Biosis Previews(R)
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0012628382 BIOSIS NO.: 200000346695
Accelerated publication: ~~Notch~~ responds differently to Delta and
Wingless in cultured Drosophila cells
AUTHOR: Wesley Cedric S (Reprint); Saez Lino
AUTHOR ADDRESS: Laboratory of Genetics, The Rockefeller University, 1230
York Avenue, New York, NY, 10021, USA**USA
JOURNAL: Journal of Biological Chemistry 275 (13): p9099-9101 March 31,
2000 2000
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/96

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012627220 BIOSIS NO.: 200000345533
Non-linear antigenic regions in epidermal growth factor (EGF) and
transforming growth factor alpha (TGFalpha) studied by EGF-TGFalpha
chimaeras
AUTHOR: van de Poll Monique L M (Reprint); van Rotterdam Walter; Gadellaa
Mireille M; Stortelers Catelijne; van Vugt Marianne J H; van Zoelen
Everardus J J
AUTHOR ADDRESS: Department of Cell Biology, University of Nijmegen,
Toernooiveld 1, 6525 ED, Nijmegen, Netherlands**Netherlands
JOURNAL: Biochemical Journal 349 (1): p267-274 1 July, 2000 2000
MEDIUM: print
ISSN: 0264-6021
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/97

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012605601 BIOSIS NO.: 200000323914
Proteolysis and developmental signal transduction
AUTHOR: Ye Yihong; Fortini Mark E (Reprint)
AUTHOR ADDRESS: Department of Genetics, Stellar-Chance Laboratories 709C,
University of Pennsylvania School of Medicine, 422 Curie Boulevard,
Philadelphia, PA, 19104, USA**USA
JOURNAL: Seminars in Cell and Developmental Biology 11 (3): p211 221 June,
2000 2000
MEDIUM: print
ISSN: 1084-9521
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Citation
LANGUAGE: English

13/3/98

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012596480 BIOSIS NO.: 200000314793
The duration of antigen ~~receptor~~ signalling determines CD4+ versus
CD8+ T-cell lineage fate
AUTHOR: Yasutomo Koji; Doyle Carolyn; Miele Lucio; Germain Ronald N
(Reprint)

AUTHOR ADDRESS: Lymphocyte Biology Section, Laboratory of Immunology,
National Institute of Allergy and Infectious Diseases, National
Institutes of Health, Bethesda, MD, 20892, USA**USA
JOURNAL: Nature (London) 404 (6777): p506-510 March 30, 2000 2000
MEDIUM: print
ISSN: 0028-0836
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/99

DIALOG(R)File 5:Biosis Previews(R)
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0012595931 BIOSIS NO.: 200000314244
D114, a novel ***Notch*** ligand expressed in arterial endothelium
AUTHOR: Shutter John R; Scully Sheila; Fan Wei; Richards William G;
Kitajewski Jan; Deblandre Gisele A; Kintner Chris R; Stark Kevin L
(Reprint)
AUTHOR ADDRESS: Department of Molecular Genetics, Amgen, Inc., Thousand
Oaks, CA, 91320, USA**USA
JOURNAL: Genes and Development 14 (11): p1313-1318 June 1, 2000 2000
MEDIUM: print
ISSN: 0890-9369
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/100

DIALOG(R)File 5:Biosis Previews(R)
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0012586574 BIOSIS NO.: 200000304887
Functional interaction between the mouse Notch1 intracellular region and
histone acetyltransferases PCAF and GCN5
AUTHOR: Kurooka Hisanori; Honjo Tasuku (Reprint)
AUTHOR ADDRESS: Department of Medical Chemistry, Graduate School of
Medicine, Kyoto University, Yoshida, Sakyo-ku, Kyoto, 606-8501, Japan**
Japan
JOURNAL: Journal of Biological Chemistry 275 (22): p17211-17220 June 2,
2000 2000
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/101

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012515182 BIOSIS NO.: 200000233495
Calcium-***binding*** EGF-like modules in coagulation proteinases: Function
of the calcium ion in module interactions
AUTHOR: Stenflo Johan (Reprint); Stenberg Yvonne; Muranyi Andreas
AUTHOR ADDRESS: Department of Clinical Chemistry, University of Lund,
University Hospital, Malmo, SE-205 02, Malmo, Sweden**Sweden
JOURNAL: Biochimica et Biophysica Acta 1477 (1-2): p51-63 March 7, 2000
2000
MEDIUM: print
ISSN: 0006-3002
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Abstract
LANGUAGE: English

13/3/102

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

0012484082 BIOSIS NO.: 200000202395
A novel proteolytic cleavage involved in ~~Notch~~ signaling: The role of
the disintegrin-metalloprotease TACE
AUTHOR: Brou Christel; Logeat Frederique; Gupta Neetu; Bessia Christine;
LeBail Odile; Doedens John R; Cumano Ana; Roux Pascal; Black Roy A;
Israel Alain (Reprint)
AUTHOR ADDRESS: Unite de Biologie Moleculaire de l'Expression Genique, URA
1773 CNRS, Institut Pasteur, 25 Rue du Dr Roux, 75724, Paris Cedex 15,
France**France
JOURNAL: Molecular Cell 5 (2): p207-216 Feb., 2000 2000
MEDIUM: print
ISSN: 1097-2765
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/103

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012449216 BIOSIS NO.: 200000167529
Regulated intramembrane proteolysis: A control mechanism conserved from
bacteria to humans
AUTHOR: Brown Michael S (Reprint); Ye Jin (Reprint); Rawson Robert B
(Reprint); Goldstein Joseph L (Reprint)
AUTHOR ADDRESS: Department of Molecular Genetics, University of Texas
Southwestern Medical Center, Dallas, TX, 75390-9046, USA**USA
JOURNAL: Cell 100 (4): p391-398 Feb. 18, 2000 2000
MEDIUM: print
ISSN: 0092-8674
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Citation
LANGUAGE: English

13/3/104

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012447958 BIOSIS NO.: 200000166271
Backbone dynamics of a cbEGF domain pair in the presence of calcium
AUTHOR: Werner Jorn M; Knott Vroni; Handford Penny A; Campbell Iain D;
Downing A Kristina (Reprint)
AUTHOR ADDRESS: Department of Biochemistry, University of Oxford, South
Parks Road, Oxford, OX1 3QU, UK**UK
JOURNAL: Journal of Molecular Biology 296 (4): p1065-1078 March 3, 2000
2000
MEDIUM: print
ISSN: 0022-2836
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012436444 BIOSIS NO.: 200000154757
Calcium depletion dissociates and activates heterodimeric ~~notch~~
receptors
AUTHOR: Rand Matthew D; Grimm Lisa M; Artavanis-Tsakonas Spyros; Patriub
Vytas; Blacklow Stephen C; Sklar Jeffrey; Aster Jon C (Reprint)
AUTHOR ADDRESS: Division of Molecular Oncology, Department of Pathology,
Brigham and Women's Hospital, Harvard Medical School, 75 Francis St.,
Boston, MA, 02115, USA**USA
JOURNAL: Molecular and Cellular Biology 20 (5): p1825-1835 March, 2000
2000

MEDIUM: print
ISSN: 0270-7306
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012435831 BIOSIS NO.: 200000154144
Antagonism of ~~Notch~~ signaling activity by members of a novel protein
family encoded by the Bearded and Enhancer of split gene complexes
AUTHOR: Lai Eric C; Bodner Ruth; Kavalier Joshua; Freschi Gina; Posakony
James W (Reprint)
AUTHOR ADDRESS: Department of Biology and Center for Molecular Genetics,
University of California San Diego, 9500 Gilman Drive, La Jolla, CA,
92093-0349, USA**USA
JOURNAL: Development (Cambridge) 127 (2): p291-306 Jan., 2000 2000
MEDIUM: print
ISSN: 0950-1991
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/107

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012415402 BIOSIS NO.: 200000133715
Neoplastic transformation by ~~Notch~~ is independent of transcriptional
activation by RBP-J signaling
AUTHOR: Dumont Elisabeth; Fuchs Klaus Peter; Bommer Guido; Christoph
Barbara; Kremmer Elisabeth; Kempkes Bettina (Reprint)
AUTHOR ADDRESS: Institut fuer Klinische Molekularbiologie und Tumorgenetik,
GSF-Forschungszentrum fuer Umwelt und Gesundheit, Marchioninstr. 25,
81377, Muenchen, Germany**Germany
JOURNAL: Oncogene 19 (4): p556-561 Jan. 27, 2000 2000
MEDIUM: print
ISSN: 0950-9232
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012308133 BIOSIS NO.: 200000026446
Mouse Jagged1 physically interacts with Notch2 and other ~~Notch~~
receptors: Assessment by quantitative methods
AUTHOR: Shimizu Kiyoshi; Chiba Shigeru; Kumano Keiki; Hosoya Noriko;
Takahashi Tokiharu; Kanda Yoshinobu; Hamada Yoshio; Yazaki Yoshio; Hirai
Hisamaru (Reprint)
AUTHOR ADDRESS: Dept. of Cell Therapy and Transplantation Medicine,
University of Tokyo Hospital, 7-3-1 Hongo, Bunkyo-ku, Tokyo, 113-8655,
Japan**Japan
JOURNAL: Journal of Biological Chemistry 274 (46): p32961-32969 Nov. 12,
1999 1999
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

0012266382 BIOSIS NO.: 199900526042
The ~~Notch~~ 3 intracellular domain represses ~~Notch~~ 1-mediated
activation through Hairy/Enhancer of split (HES) promoters
AUTHOR: Beatus Paul; Lundkvist Johan; Oberg Camilla; Lendahl Urban
(Reprint)
AUTHOR ADDRESS: Department of Cell and Molecular Biology, Medical Nobel
Institute, Karolinska Institute, S-171 77, Stockholm, Sweden**Sweden
JOURNAL: Development (Cambridge) 126 (17): p3925-3935 Sept., 1999 1999
MEDIUM: print
ISSN: 0950-1991
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/110
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012197315 BIOSIS NO.: 199900456975
Discrete enhancer elements mediate selective responsiveness of Enhancer of
split Complex genes to common transcriptional activators
AUTHOR: Nellesen David T (Reprint); Lai Eric C (Reprint); Posakony James W
(Reprint)
AUTHOR ADDRESS: Department of Biology and Center for Molecular Genetics,
University of California, San Diego, 9500 Gilman Drive, La Jolla, CA,
92093-0349, USA**USA
JOURNAL: Developmental Biology 213 (1): p33-53 Sept. 1, 1999 1999
MEDIUM: print
ISSN: 0012-1606
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012184571 BIOSIS NO.: 199900444231
Are presenilins intramembrane-cleaving proteases? Implications for the
molecular mechanism of Alzheimer's disease
AUTHOR: Wolfe Michael S (Reprint); De Los Angeles Joseph; Miller Duane D;
Xia Weiming; Selkoe Dennis J
AUTHOR ADDRESS: Center for Neurologic Diseases, Brigham and Women's
Hospital, 77 Avenue Louis Pasteur, H.I.M. 626, Boston, MA, 02115, USA**
USA
JOURNAL: Biochemistry 38 (35): p11223-11230 Aug. 31, 1999 1999
MEDIUM: print
ISSN: 0006-2960
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012183519 BIOSIS NO.: 199900443179
Distinct human NUMB isoforms regulate differentiation vs. proliferation in
the neuronal lineage
AUTHOR: Verdi Joseph M (Reprint); Bashirullah Arash; Goldhawk Donna E; Kubu
Chris J; Jamali Mina; Meakin Susan O; Lipshitz Howard D
AUTHOR ADDRESS: Robarts Research Institute, 100 Perth Drive, London, ON,
N6A 5K8, Canada**Canada
JOURNAL: Proceedings of the National Academy of Sciences of the United
States of America 96 (18): p10472-10476 Aug. 31, 1999 1999
MEDIUM: print

ISSN: 0027-8424
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012163418 BIOSIS NO.: 199900423078
Interaction of the nuclear protein CBF1 with the kappaB site of the IL-6
gene promoter
AUTHOR: Palmieri Marta; Sasso Maria Paola; Monese Rossana; Merola Marcello;
Faggioli Laura; Tovey Michael; Furia Adriana (Reprint)
AUTHOR ADDRESS: Dipartimento di Chimica Organica e Biologica, Facolta' di
Scienze, Universita' Federico II, Via Mezzocannone 16, 80134, Napoli,
Italy**Italy
JOURNAL: Nucleic Acids Research 27 (13): p2785-2791 July 1, 1999 1999
MEDIUM: print
ISSN: 0305-1048
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0012118220 BIOSIS NO.: 199900377880
Expression of the mouse Delta1 gene during organogenesis and fetal
development
AUTHOR: Beckers Johannes; Clark Alicia; Wunsch Kurt; De Angelis Martin
Hrabe; Gossler Achim (Reprint)
AUTHOR ADDRESS: Jackson Laboratory, Bar Harbor, Maine, ME, 04609, USA**USA
JOURNAL: Mechanisms of Development 84 (1-2): p165-168 June, 1999 1999
MEDIUM: print
ISSN: 0925-4773
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
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0012040587 BIOSIS NO.: 199900300247
Nipped-B, a Drosophila homologue of chromosomal adherins, participates in
activation by remote enhancers in the cut and Ultrabithorax genes
AUTHOR: Rollins Robert A; Morcillo Patrick; Dorsett Dale (Reprint)
AUTHOR ADDRESS: Molecular Biology Program, Memorial Sloan-Kettering Cancer
Center, 1275 York Ave., New York, NY, 10021, USA**USA
JOURNAL: Genetics 152 (2): p577-593 June, 1999 1999
MEDIUM: print
ISSN: 0016-6731
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/116

DIALOG(R)File 5:Biosis Previews(R)
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0012040586 BIOSIS NO.: 199900300246
The Drosophila melanogaster suppressor of deltex gene, a regulator of the
Notch **receptor*** signaling pathway, is an E3 class ubiquitin
ligase
AUTHOR: Cornell M; Evans D A P; Mann R; Fostier M; Flasza M; Monthatong M;

X
Artavanis-Tsakonas S; Baron M (Reprint)
AUTHOR ADDRESS: School of Biological Sciences, University of Manchester,
Oxford Rd., Manchester, M13 9PT, UK**UK
JOURNAL: Genetics 152 (2): p567-576 June, 1999 1999
MEDIUM: print
ISSN: 0016-6731
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/117
DIALOG(R)File 5:Biosis Previews(R)
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0012014927 BIOSIS NO.: 199900274587
An activity of %%%Notch%%% regulates JNK signalling and affects dorsal
closure in Drosophila
AUTHOR: Zecchini Vincent; Brennan Keith; Martinez-Arias Alfonso (Reprint)
AUTHOR ADDRESS: Department of Zoology, University of Cambridge, Cambridge,
CB2 3EJ, UK**UK
JOURNAL: Current Biology 9 (9): p460-469 May 6, 1999 1999
MEDIUM: print
ISSN: 0960-9822
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/118
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0011945078 BIOSIS NO.: 199900204738
Activated mouse Notch1 transactivates Epstein-Barr virus nuclear antigen
2-regulated viral promoters
AUTHOR: Hoefelmayer Heike (Reprint); Strobl Lothar J; Stein Charlotte; Laux
Gerhard; Marschall Gabriele; Bornkamm Georg W; Zimmer-Strobl Ursula
AUTHOR ADDRESS: Institut fuer Klinische Molekularbiologie und Tumorgenetik,
Haematologikum, GSF-Forschungszentrum fuer Umwelt und Gesundheit GmbH,
Marchioninistr. 25, D-81377, Muenchen, Germany**Germany
JOURNAL: Journal of Virology 73 (4): p2770-2780 April, 1999 1999
MEDIUM: print
ISSN: 0022-538X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/119
DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0011944402 BIOSIS NO.: 199900204062
Activated %%%Notch%%% inhibits myogenic activity of the MADS-box
transcription factor myocyte enhancer factor 2C
AUTHOR: Wilson-Rawls Jeanne; Molkenstein Jeffery D; Black Brian L; Olson Eric
N (Reprint)
AUTHOR ADDRESS: Department of Molecular Biology and Oncology, University of
Texas Southwestern Medical Center at Dallas, 6000 Harry Hines Blvd.,
Dallas, TX, 75235-9148, USA**USA
JOURNAL: Molecular and Cellular Biology 19 (4): p2853-2862 April, 1999
1999
MEDIUM: print
ISSN: 0270-7306
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/120

DIALOG(R)File 5:Biosis Previews(R)
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0011943333 BIOSIS NO.: 199900202993
Delta-induced **Notch** signaling mediated by RBP-J inhibits MyoD
expression and myogenesis
AUTHOR: Kuroda Kazuki; Tani Shoichi; Tamura Kumiko; Minoguchi Shigeru;
Kurooka Hisanori; Honjo Tasuku (Reprint)
AUTHOR ADDRESS: Department of Medical Chemistry, Kyoto University Faculty
of Medicine, Yoshida Sakyo-ku, Kyoto, 606-8501, Japan**Japan
JOURNAL: Journal of Biological Chemistry 274 (11): p7238-7244 March 12,
1999 1999
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/121

DIALOG(R)File 5:Biosis Previews(R)
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0011920534 BIOSIS NO.: 199900180194
EGF-like domain calcium affinity modulated by N-terminal domain linkage in
human fibrillin-1
AUTHOR: Smallridge Rachel A; Whiteman Pat; Doering Klaus; Handford Penny A;
Downing A Kristina (Reprint)
AUTHOR ADDRESS: Dep. Biochem., Univ. Oxford, South Parks Rd., Oxford OX1
3QU, UK**UK
JOURNAL: Journal of Molecular Biology 286 (3): p661-668 Feb. 26, 1999 1999
MEDIUM: print
ISSN: 0022-2836
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/122

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0011798249 BIOSIS NO.: 199900057909
Processing of the **Notch** ligand Delta by the metalloprotease Kuzbanian
AUTHOR: Qi Huilin; Rand Matthew D; Wu Xiaohui; Sestan Nenad; Wang Weiyi;
Rakic Pasko; Xu Tian; Artavanis-Tsakonas Spyros (Reprint)
AUTHOR ADDRESS: Harv. Med. Sch., Mass. Gen. Hosp. Cancer Cent., Build. 149,
13th St., Charlestown, MA 02129, USA**USA
JOURNAL: Science (Washington D C) 283 (5398): p91-94 Jan. 1, 1999 1999
MEDIUM: print
ISSN: 0036-8075
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/123

DIALOG(R)File 5:Biosis Previews(R)
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0011769507 BIOSIS NO.: 199900029167
Suppressor of hairless activates Brachyury expression in the Ciona embryo
AUTHOR: Corbo Joseph C; Fujiwara Shigeki; Levine Michael (Reprint); Di
Gregorio Anna
AUTHOR ADDRESS: Dep. Molecular Cell Biology, Div. Genetics, Univ. Calif.,
401 Barker Hall, Berkeley, CA 94720, USA**USA
JOURNAL: Developmental Biology 203 (2): p358-368 Nov. 15, 1998 1998
MEDIUM: print
ISSN: 0012-1606
DOCUMENT TYPE: Article
RECORD TYPE: Abstract

LANGUAGE: English

13/3/124

DIALOG(R)File 5:Biosis Previews(R)

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0011679363 BIOSIS NO.: 199800473610

PDZ-domain-mediated interaction of the Eph-related ~~receptor~~ tyrosine kinase EphB3 and the ras-~~binding~~ protein AF6 depends on the kinase activity of the ~~receptor~~

AUTHOR: Hock Bjorn; Bohme Beatrix; Karn Thomas; Yamamoto Takaharu; Kaibuchi Kozo; Holtrich Uwe; Holland Sacha; Pawson Tony; Ruebsamen-Waigmann Helga; Strebhardt Klaus (Reprint)

AUTHOR ADDRESS: Chemotherapeutisches Forschungsinstitut, Georg-Speyer-Haus, Paul-Ehrlich-Strasse 42-44, 60596 Frankfurt, Germany**Germany

JOURNAL: Proceedings of the National Academy of Sciences of the United States of America 95 (17): p9779 9784 Aug. 18, 1998 1998

MEDIUM: print

ISSN: 0027-8424

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/125

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

0011678246 BIOSIS NO.: 199800472493

Phylogenetic tests of the hypothesis of block duplication of homologous genes on human chromosomes 6, 9, and 1

AUTHOR: Hughes Austin L (Reprint)

AUTHOR ADDRESS: Dep. Biol., 208 Mueller Lab., Pa. State Univ., University Park, PA 16803, USA**USA

JOURNAL: Molecular Biology and Evolution 15 (7): p854-870 July, 1998 1998

MEDIUM: print

ISSN: 0737-4038

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/126

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

0011662274 BIOSIS NO.: 199800456521

~~Notch~~ signaling: Direct or what?

AUTHOR: Weinmaster Gerry (Reprint)

AUTHOR ADDRESS: Dep. Biol. Chem., UCLA Sch. Med., 33-257 CHS, BOX 951737, Los Angeles, CA 90095-1737, USA**USA

JOURNAL: Current Opinion in Genetics and Development 8 (4): p436-442 Aug., 1998 1998

MEDIUM: print

ISSN: 0959-437X

DOCUMENT TYPE: Article; Literature Review

RECORD TYPE: Citation

LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)

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0011609257 BIOSIS NO.: 199800403504

A histone deacetylase corepressor complex regulates the ~~Notch~~ signal transduction pathway

AUTHOR: Kao Hung-Ying; Ordentlich Peter; Koyano Nakagawa Naoko; Tang Zhenyu ; Downes Michael; Kintner Chris R; Evans Ronald M (Reprint); Kadesch Tom

AUTHOR ADDRESS: Howard Hughes Med. Inst., Gene Expression Lab., Salk Inst.

Biol. Studies, La Jolla, CA 92037, USA**USA
JOURNAL: Genes and Development 12 (15): p2269-2277 Aug. 1, 1998 1998
MEDIUM: print
ISSN: 0890-9369
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
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0011598682 BIOSIS NO.: 199800392929
Complex proteolytic processing acts on Delta, a transmembrane ligand for
Notch, during Drosophila development
AUTHOR: Klueg Kristin M; Parody Todd R; Muskavitch Marc A T (Reprint)
AUTHOR ADDRESS: Dep. Biol., Indiana Univ. Bloomington, IN 47405, USA**USA
JOURNAL: Molecular Biology of the Cell 9 (7): p1709-1723 July, 1998 1998
MEDIUM: print
ISSN: 1059-1524
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
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0011549955 BIOSIS NO.: 199800344202
Indirect evidence for delta-dependent intracellular processing of
notch in Drosophila embryos
AUTHOR: Lecourtois Magalie; Schweisguth Francois (Reprint)
AUTHOR ADDRESS: Ecole Normale Supérieure, CNRS ATIP URA1857, 46 rue d'Ulm,
75230 Paris Cedex 05, France**France
JOURNAL: Current Biology 8 (13): p771 774 June 18, 1998 1998
MEDIUM: print
ISSN: 0960-9822
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/130
DIALOG(R)File 5:Biosis Previews(R)
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0011547209 BIOSIS NO.: 199800341456
Identification of the minimal requirements for ***binding*** to the human
epidermal growth factor (EGF) ***receptor*** using chimeras of human EGF
and an EGF repeat of Drosophila ***Notch***
AUTHOR: Van De Poll Monique L M (Reprint); Van Vugt Marianne J H; Lenferink
Anne E G; Van Zoelen Everardus J J
AUTHOR ADDRESS: Dep. Cell Biol., Univ. Nijmegen, Toernooiveld 1, 6525 ED
Nijmegen, Netherlands**Netherlands
JOURNAL: Journal of Biological Chemistry 273 (26): p16075-16081 June 26,
1998 1998
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
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0011524407 BIOSIS NO.: 199800318654
Implication of a multisubunit Ets-related transcription factor in synaptic

expression of the nicotinic acetylcholine ***receptor***
AUTHOR: Schaeffer Laurent; Duclert Nathalie; Huchet-Dymanus Monique;
Changeux Jean-Pierre (Reprint)
AUTHOR ADDRESS: CNRS UA D1284 'Neurobiologie Moleculaire', Inst. Pasteur,
25 rue du Dr Roux, F-75724 Paris Cedex 15, France**France
JOURNAL: EMBO (European Molecular Biology Organization) Journal 17 (11): p
3078-3090 June 1, 1998 1998
MEDIUM: print
ISSN: 0261-4189
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
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0011521741 BIOSIS NO.: 199800315988
Notch-1 signalling requires ligand-induced proteolytic release of
intracellular domain
AUTHOR: Schroeter Eric H; Kisslinger Jeffrey A; Kopan Raphael (Reprint)
AUTHOR ADDRESS: Div. Dermatol. Dep. Molecular Biol. Pharmacol., Washington
Univ., Box 8123, 4940 Parkview Place, St. Louis, MO 63110, USA**USA
JOURNAL: Nature (London) 393 (6683): p382-386 May 28, 1998 1998
MEDIUM: print
ISSN: 0028-0836
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

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DIALOG(R)File 5:Biosis Previews(R)
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0011462553 BIOSIS NO.: 199800256800
Human deltex is a conserved regulator of ***Notch*** signalling
AUTHOR: Matsuno Kenji; Eastman Deborah; Mitsiades Tim; Quinn Anne Marie;
Carcanciu Maria Louisa; Ordentlich Peter; Kadesch Tom; Artavanis-Tsakonas
Spyros (Reprint)
AUTHOR ADDRESS: Howard Hughes Med. Inst., Dep. Cell Biol., New Haven, CT
06536, USA**USA
JOURNAL: Nature Genetics 19 (1): p74-78 May, 1998 1998
MEDIUM: print
ISSN: 1061-4036
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/134
DIALOG(R)File 5:Biosis Previews(R)
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0011457669 BIOSIS NO.: 199800251916
A role of Abl in ***notch*** signaling
AUTHOR: Giniger Edward (Reprint)
AUTHOR ADDRESS: Div. Basic Sci., Fred Hutchinson Cancer Res. Cent.,
Seattle, WA 98109, USA**USA
JOURNAL: Neuron 20 (4): p667-681 April, 1998 1998
MEDIUM: print
ISSN: 0896-6273
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/135
DIALOG(R)File 5:Biosis Previews(R)
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0011299620 BIOSIS NO.: 199800093867

Both Epstein-Barr viral nuclear antigen 2 (EBNA2) and activated notch1 transactivate genes by interacting with the cellular protein RBP-Jkappa

AUTHOR: Strobl Lothar J (Reprint); Hoefelmayer Heike; Stein Charlotte; Marschall Gabriele; Brielmeier Markus; Laux Gerhard; Bornkamm Georg W; Zimmer-Strobl Ursula

AUTHOR ADDRESS: GSF-Forschungszentrum Umwelt und Gesundheit, Inst. Klinische Molekularbiologie und Tumorgenetik, Marchioninistr. 25, D-81377 Muenchen, Germany**Germany

JOURNAL: Immunobiology 198 (1-3): p299-306 Dec., 1997 1997

MEDIUM: print

ISSN: 0171-2985

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/136

DIALOG(R)File 5:Biosis Previews(R)

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0011298620 BIOSIS NO.: 199800092867

Cloning and characterization of developmental endothelial locus-1: An embryonic endothelial cell protein that binds the alphavbeta3 integrin receptor

AUTHOR: Hidai Chiaki; Zupancic Thomas; Penta Kalyani; Mikhail Adel; Kawana Masatoshi; Quertermous Elena E; Aoka Yoshikazu; Fukagawa Masafumi; Matsui Yasuhisa; Platika Doros; Auerbach Robert; Hogan Brigid L M; Snodgrass Ralph; Quertermous Thomas (Reprint)

AUTHOR ADDRESS: Div. Cardiology, Stanford Univ., Med. Sch., Stanford, CA 94305, USA**USA

JOURNAL: Genes and Development 12 (1): p21-33 Jan. 1, 1998 1998

MEDIUM: print

ISSN: 0890 9369

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/137

DIALOG(R)File 5:Biosis Previews(R)

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0011175458 BIOSIS NO.: 199799809518

Calcium binding to tandem repeats of EGF-like modules. Expression and characterization of the EGF-like modules of human Notch-1 implicated in receptor-ligand interactions

AUTHOR: Rand Matthew D; Lindblom Anders; Carlson Joyce; Villoutreix Bruno O; Stenflo Johan (Reprint)

AUTHOR ADDRESS: Dep. Clinical Chem., Lund Univ., Univ. Hosp., S-20502 Malmo, Sweden**Sweden

JOURNAL: Protein Science 6 (10): p2059-2071 1997 1997

ISSN: 0961-8368

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/138

DIALOG(R)File 5:Biosis Previews(R)

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0011152464 BIOSIS NO.: 199799786524

Isolation and functional analysis of a cDNA for human Jagged2, a gene encoding a ligand for the Notch1 receptor

AUTHOR: Luo Biao; Aster Jon C; Hasserjian Robert P; Kuo Frank; Sklar Jeffrey (Reprint)

AUTHOR ADDRESS: Div. Mol. Oncol., Dep. Pathol., Harvard Med. Sch., Boston, MA 02115, USA**USA

JOURNAL: Molecular and Cellular Biology 17 (10): p6057 6067 1997 1997

ISSN: 0270-7306
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/139

DIALOG(R)File 5:Biosis Previews(R)
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0011028191 BIOSIS NO.: 199799662251
Plasmalemmal ATPase calcium pump localizes to inner and outer hair bundles
AUTHOR: Apicella S; Chen S; Bing R; Penniston J T; Llinas R; Hillman D E
(Reprint)
AUTHOR ADDRESS: NYU Med. Cent., 550 First Ave., New York, NY 10016, USA**
USA
JOURNAL: Neuroscience 79 (4): p1145-1151 1997 1997
ISSN: 0306-4522
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/140

DIALOG(R)File 5:Biosis Previews(R)
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0010914532 BIOSIS NO.: 199799548592
RBP-L, a transcription factor related to RBP-J-kappa
AUTHOR: Minoguchi Shigeru; Taniguchi Yoshihito; Kato Hisamune; Okazaki Taku
; Strobl Lothar J; Zimmer-Strobl Ursula; Bornkamm Georg W; Honjo Tasuku
(Reprint)
AUTHOR ADDRESS: Dep. Med. Chem., Kyoto Univ. Fac. Med., Yoshida, Sakyo-ku,
Kyoto 606, Japan**Japan
JOURNAL: Molecular and Cellular Biology 17 (5): p2679-2687 1997 1997
ISSN: 0270-7306
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/141

DIALOG(R)File 5:Biosis Previews(R)
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0010821250 BIOSIS NO.: 199799455310
The Xenopus homolog of Drosophila suppressor of hairless mediates
Notch signaling during primary neurogenesis
AUTHOR: Wettstein Daniel A; Turner David L; Kintner Chris (Reprint)
AUTHOR ADDRESS: Molecular Neurobiol. Lab., Salk Inst. Biol. Studies, 10010
North Torrey Pines Road, La Jolla, CA 92037-1099, USA**USA
JOURNAL: Development (Cambridge) 124 (3): p693-702 1997 1997
ISSN: 0950-1991
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/142

DIALOG(R)File 5:Biosis Previews(R)
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0010660355 BIOSIS NO.: 199799294415
Expression patterns of jagged, Delta1, Notch1, Notch2, and Notch3 genes
identify ligand-***receptor*** pairs that may function in neural
development
AUTHOR: Lindsell Claire E (Reprint); Boulter Jim; Disibio Guy; Gossler
Achim; Weinsmaster Gerry (Reprint)
AUTHOR ADDRESS: Dep. Biol Chem., UCLA Sch. Med., 10833 Le Conte Ave., Los
Angeles, CA 90095-1737, USA**USA
JOURNAL: Molecular and Cellular Neuroscience 8 (1): p14-27 1996 1996

ISSN: 1044-7431
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/143

DIALOG(R)File 5:Biosis Previews(R)
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0010627112 BIOSIS NO.: 199699261172
The Drosophila numb protein inhibits signaling of the **Notch**
receptor during cell-cell interaction in sensory organ lineage
AUTHOR: Frise Erwin; Knoblich Jurgen A; Younger-Shepherd Susan; Jan Lily Y;
Jan Yuh Nung (Reprint)
AUTHOR ADDRESS: Howard Hughes Med. Inst., Univ. California, San Francisco,
CA 94143-0724, USA**USA
JOURNAL: Proceedings of the National Academy of Sciences of the United
States of America 93 (21): p11925-11932 1996 1996
ISSN: 0027-8424
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/144

DIALOG(R)File 5:Biosis Previews(R)
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0010625869 BIOSIS NO.: 199699259929
Functional conservation of mouse **Notch** **receptor** family members
AUTHOR: Kato Hisamune (Reprint); Sakai Takashi; Tamaura Kumiko; Minoguchi
Shigeru; Shirayoshi Yasuaki; Hamada Yoshio; Tsujimoto Yoshihide; Honjo
Tasuku
AUTHOR ADDRESS: Dep. Med. Chem., Kyoto Univ., Fac. Med., Yoshida, Sakyo-ku,
Kyoto 606, Japan**Japan
JOURNAL: FEBS Letters 395 (2-3): p221-224 1996 1996
ISSN: 0014-5793
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/145

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0010560815 BIOSIS NO.: 199699194875
GP300SCA is not a high affinity **Notch** ligand
AUTHOR: Lee E-Chiang; Baker Nicholas E (Reprint)
AUTHOR ADDRESS: Dep. Molecular Genetics, Albert Einstein Coll. Med., 1300
Morris Park Ave., Bronx, NY 10461, USA**USA
JOURNAL: Biochemical and Biophysical Research Communications 225 (3): p
720-725 1996 1996
ISSN: 0006-291X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/146

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0010420427 BIOSIS NO.: 199699054487
Lag-1, a gene required for lin-12 and glp-1 signaling in Caenorhabditis
elegans, is homologous to human CBF1 and Drosophila Su(H)
AUTHOR: Christensen Sioux; Kodoyianni Voula; Bosenberg Marcus; Friedman
Lisa; Kimble Judith (Reprint)
AUTHOR ADDRESS: Dep. Genetics, Howard Hughes Med. Inst., Madison, WI 53706,
USA**USA

JOURNAL: Development (Cambridge) 122 (5): p1373-1383 1996 1996
ISSN: 0950-1991
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/147

DIALOG(R)File 5:Biosis Previews(R)
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0010404849 BIOSIS NO.: 199699038909
Constitutively active human Notch1 **binds** to the transcription factor
CBF1 and stimulates transcription through a promoter containing a
CBF1-responsive element
AUTHOR: Lu Frederick M; Lux Samuel E (Reprint)
AUTHOR ADDRESS: Div. Hematol./Oncol., Children's Hosp. Dana-Farber Cancer
Inst., Dep. Pediatr., Harvard Med. Sch., Boston, MA 02115, USA**USA
JOURNAL: Proceedings of the National Academy of Sciences of the United
States of America 93 (11): p5663-5667 1996 1996
ISSN: 0027-8424
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/148

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0010401853 BIOSIS NO.: 199699035913
Notch receptor signaling: From flies to mammals
AUTHOR: Schweisguth Francois; Israel Alain (Reprint)
AUTHOR ADDRESS: Unite Biol. Mol. Expression Genique, CNRS URA 1149, Inst.
Pasteur, 75724 Paris Cedex 15, France**France
JOURNAL: M-S (Medecine Sciences) 12 (2): p155-163 1996 1996
ISSN: 0767-0974
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: French

13/3/149

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0010400142 BIOSIS NO.: 199699034202
T cell leukemia-associated human **notch**/translocation-associated
notch homologue has I-kappa-B-like activity and physically
interacts with nuclear factor-kappa-B proteins in T cells
AUTHOR: Guan Ennan (Reprint); Wang Jinhai; Laborda Jorge; Norcross Michael;
Baeuerle Patrick A; Hoffman Thomas
AUTHOR ADDRESS: Lab. Cell Biol., Div. Monoclonal Antibodies, Cent.
Biologics Eval. Res., Federal Drug Administration, Building 29B, Room
4G03, HFM558, 8800 Rockville Pike, Bethesda, MD 20892, USA**USA
JOURNAL: Journal of Experimental Medicine 183 (5): p2025-2032 1996 1996
ISSN: 0022-1007
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/150

DIALOG(R)File 5:Biosis Previews(R)
(c) 2003 BIOSIS. All rts. reserv.

0010371761 BIOSIS NO.: 199699005821
Solution structure of a pair of calcium-**binding** epidermal growth
factor-like domains: Implications for the Marfan Syndrome and other
genetic disorders
AUTHOR: Downing A K (Reprint); Knott V; Werner J M (Reprint); Cardy C M;

Campbell I D (Reprint); Handford P A
AUTHOR ADDRESS: Dep. Biochemistry, Univ. Oxford, Oxford OX1 3QU, UK**UK
JOURNAL: Cell 85 (4): p597-605 1996 1996
ISSN: 0092-8674
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/151
DIALOG(R)File 5:Biosis Previews(R)
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0010259441 BIOSIS NO.: 199698727274
Truncated mammalian Notch1 activates CBF1/RBPJk-repressed genes by a
mechanism resembling that of Epstein-Barr virus EBNA2
AUTHOR: Hsieh James J-D; Henkel Thomas; Salmon Patrick; Robey Ellen;
Peterson Michael Gregory; Hayward S Diane (Reprint)
AUTHOR ADDRESS: Dep. Oncol., Johns Hopkins Univ. Sch. Medicine, Baltimore,
MD 21205, USA**USA
JOURNAL: Molecular and Cellular Biology 16 (3): p952-959 1996 1996
ISSN: 0270-7306
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/152
DIALOG(R)File 5:Biosis Previews(R)
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0010164327 BIOSIS NO.: 199698632160
Physical interaction between a novel domain of the ***receptor***
Notch and the transcription factor RBP-J-kappa/Su(H)
AUTHOR: Tamura Kumiko; Taniguchi Yoshihito; Minoguchi Shigeru; Sakai
Takashi; Tun Tin; Furukawa Takahisa; Honjo Tasuku (Reprint)
AUTHOR ADDRESS: Dep. Med. Chem., Kyoto Univ. Fac. Med., Yoshida, Sakyo-ku,
Kyoto 606, Japan**Japan
JOURNAL: Current Biology 5 (12): p1416-1423 1995 1995
ISSN: 0960-9822
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/153
DIALOG(R)File 5:Biosis Previews(R)
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0010126738 BIOSIS NO.: 199698594571
Suppressor of hairless directly activates transcription of enhancer of
split complex genes in response to ***Notch*** ***receptor*** activity
AUTHOR: Bailey Adina M; Posakony James W (Reprint)
AUTHOR ADDRESS: Dep. Biol. Cent. Mol. Genet., Univ California San Diego, La
Jolla, CA 92093-0366, USA**USA
JOURNAL: Genes and Development 9 (21): p2609-2622 1995 1995
ISSN: 0890-9369
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/154
DIALOG(R)File 5:Biosis Previews(R)
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0010126737 BIOSIS NO.: 199698594570
The neurogenic suppressor of hairless DNA-***binding*** protein mediates
the transcriptional activation of the enhancer of split complex genes
triggered by ***Notch*** signalling
AUTHOR: Lecourtois Magalie; Schweisguth Francois (Reprint)

AUTHOR ADDRESS: Inst. Jacques Monod, Centre National Recherche
Scientifique, Univ. Paris 7, Denis Diderot, 75251 Paris Cedex 05, France
**France

JOURNAL: Genes and Development 9 (21): p2598-2608 1995 1995

ISSN: 0890-9369

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/155

DIALOG(R)File 5:Biosis Previews(R)

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0009892809 BIOSIS NO.: 199598360642

Suppressor of hairless is required for signal reception during lateral
inhibition in the Drosophila pupal notum

AUTHOR: Schweisguth Francois

AUTHOR ADDRESS: Inst. Jacques Monod, CNRS, Univ. Paris VII, Denis Diderot,
2 place Jussieu, 75251 Paris Cedex 05, France**France

JOURNAL: Development (Cambridge) 121 (6): p1875-1884 1995 1995

ISSN: 0950-1991

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/156

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

0009796401 BIOSIS NO.: 199598264234

Notch signaling

AUTHOR: Artavanis-Tsakonas Spyros (Reprint); Matsuno Kenji; Fortini Mark E

AUTHOR ADDRESS: Howard Hughes Med. Inst., Boyer Cent. Molecular Med., Yale
Univ., New Haven, CT 06536, USA**USA

JOURNAL: Science (Washington D C) 268 (5208): p225-232 1995 1995

ISSN: 0036-8075

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/157

DIALOG(R)File 5:Biosis Previews(R)

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0009753646 BIOSIS NO.: 199598221479

Serrate expression can functionally replace Delta activity during
neuroblast segregation in the Drosophila embryo

AUTHOR: Gu Yi; Hukriede Neil A; Fleming Robert J (Reprint)

AUTHOR ADDRESS: Dep. Biol., University Rochester, Hutchison Hall-River
Campus, Rochester, NY 14627, USA**USA

JOURNAL: Development (Cambridge) 121 (3): p855-865 1995 1995

ISSN: 0950-1991

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

13/3/158

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

0009566709 BIOSIS NO.: 199598034542

Lateral inhibition mediated by the Drosophila neurogenic gene Delta is
enhanced by proneural proteins

AUTHOR: Kunisch Marianne; Haenlin Marc; Campos-Ortega Jose A (Reprint)

AUTHOR ADDRESS: Inst. fuer Entwicklungsbiol., Univ. zu Koeln, 50923
Cologne, Germany**Germany

JOURNAL: Proceedings of the National Academy of Sciences of the United

States of America 91 (21): p10139-10143 1994 1994
ISSN: 0027-8424
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

13/3/159
DIALOG(R)File 5:Biosis Previews(R)
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0009537321 BIOSIS NO.: 199598005154
The suppressor of hairless protein participates in **notch** **receptor** signaling
AUTHOR: Fortini Mark E; Artavanis-Tsakonas Spyros
AUTHOR ADDRESS: Howard Hughes Med. Inst., Dep. Biol., Yale Univ. New Haven,
CT 06536, USA**USA
JOURNAL: Cell 79 (2): p273-282 1994 1994
ISSN: 0092-8674
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Abstract
LANGUAGE: English

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15/7/1
DIALOG(R)File 5:Biosis Previews(R)
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0014171902 BIOSIS NO.: 200300130621
A re-evaluation of the contributions of Apterous and **Notch** to the dorsoventral lineage restriction boundary in the Drosophila wing.
AUTHOR: Milan Marco; **Cohen Stephen M** (Reprint
AUTHOR ADDRESS: European Molecular Biology Laboratory, Meyerhofstr 1, 69117, Heidelberg, Germany**Germany
AUTHOR E-MAIL ADDRESS: cohen@embl-heidelberg.de
JOURNAL: Development (Cambridge) 130 (3): p553-562 February 2003 2003
MEDIUM: print
ISSN: 0950-1991
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: The Drosophila limb primordia are subdivided into compartments: cell populations that do not mix during development. The wing is subdivided into dorsal (D) and ventral (V) compartments by the activity of the selector gene apterous in D cells. Apterous causes segregation of D and V cell populations by at least two distinct mechanisms. The LRR transmembrane proteins Capricious and Tartan are transiently expressed in D cells and contribute to initial segregation of D and V cells. Signaling between D and V cells mediated by **Notch** and Fringe contributes to the maintenance of the DV affinity boundary. Given that **Notch** is activated symmetrically, in D and V cells adjacent to the boundary, its role in boundary formation remains somewhat unclear. We re-examine the roles of Apterous and Fringe activities in DV boundary formation and present evidence that Fringe cannot, by itself, generate an affinity difference between D and V cells. Although not sufficient, Fringe is required via **Notch** activation for expression of an Apterous-dependent affinity difference. We propose that Apterous controls expression of surface proteins that confer an affinity difference in conjunction with activated **Notch**. Thus, we view Apterous as instructive and **Notch** activity as essential, but permissive.

15/7/2
DIALOG(R)File 5:Biosis Previews(R)
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0013953190 BIOSIS NO.: 200200546701
The Drosophila gene brainiac encodes a glycosyltransferase putatively

involved in glycosphingolipid synthesis
AUTHOR: Schwientek Tilo; Keck Birgit; Lavery Steven B; Jensen Mads A;
Pedersen Johannes W; Wandall Hans H; Stroud Mark; ***Cohen Stephen M***;
Amado Margarida; Clausen Henrik (Reprint
AUTHOR ADDRESS: School of Dentistry, Norre Alle 20, DK-2200, Copenhagen N,
Denmark**Denmark
JOURNAL: Journal of Biological Chemistry 277 (36): p32421-32429 September
6, 2002 2002
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: The Drosophila genes fringe and brainiac exhibit sequence similarities to glycosyltransferases. Drosophila and mammalian fringe homologs encode UDP-N-acetylglucosamine:fucose-O-Ser beta1,3-N-acetylglucosaminyltransferases that modulate the function of ***Notch*** family receptors. The biological function of brainiac is less well understood. brainiac is a member of a large homologous mammalian beta3-glycosyltransferase family with diverse functions. Eleven distinct mammalian homologs have been demonstrated to encode functional enzymes forming beta1-3 glycosidic linkages with different UDP donor sugars and acceptor sugars. The putative mammalian homologs with highest sequence similarity to brainiac encode UDP-N-acetylglucosamine:beta1,3-N-acetylglucosaminyltransferases (beta3GlcNAc-transferases), and in the present study we show that brainiac also encodes a beta3GlcNAc-transferase that uses beta-linked mannose as well as beta-linked galactose as acceptor sugars. The inner disaccharide core structures of glycosphingolipids in mammals (Galbeta1-4Glcbeta1-Cer) and insects (Manbeta1-4Glcbeta1-Cer) are different. Both disaccharide glycolipids served as substrates for brainiac, but glycolipids of insect cells have so far only been found to be based on the GlcNAcbeta1-3Manbeta1-4Glcbeta1-Cer core structure. Infection of High FiveTM cells with baculovirus containing full coding brainiac cDNA markedly increased the ratio of GlcNAcbeta1-3Manbeta1-4Glcbeta1-Cer glycolipids compared with Galbeta1-4Manbeta1-4Glcbeta1-Cer found in wild type cells. We suggest that brainiac exerts its biological functions by regulating biosynthesis of glycosphingolipids.

15/7/3

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0013912973 BIOSIS NO.: 200200506484
Short-range cell interactions and cell survival in the Drosophila wing
AUTHOR: Milan Marco; Perez Lidia; ***Cohen Stephen M*** (Reprint
AUTHOR ADDRESS: European Molecular Biology Laboratory, Meyerhofstr 1,
69117, Heidelberg, Germany**Germany
JOURNAL: Developmental Cell 2 (6): p797-805 June, 2002 2002
MEDIUM: print
ISSN: 1534-5807
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: During development of multicellular organisms, cells are often eliminated by apoptosis if they fail to receive appropriate signals from their surroundings. Here, we report on short-range cell interactions that support cell survival in the Drosophila wing imaginal disc. We present evidence showing that cells incorrectly specified for their position undergo apoptosis because they fail to express specific proteins that are found on surrounding cells, including the LRR transmembrane proteins Capricious and Tartan. Interestingly, only the extracellular domains of Capricious and Tartan are required, suggesting that a bidirectional process of cell communication is involved in triggering apoptosis. We also present evidence showing that activation of the ***Notch*** signal transduction pathway is involved in triggering apoptosis of cells misspecified for their dorsal-ventral position.

15/7/4

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0013812372 BIOSIS NO.: 200200405883

A naturally occurring alternative product of the mastermind locus that represses **Notch** signalling

AUTHOR: Giraldez Antonio J; Perez Lidia; **Cohen Stephen M** (Reprint
AUTHOR ADDRESS: European Molecular Biology Laboratory, Meyerhofstrasse 1,
69117, Heidelberg, Germany**Germany

JOURNAL: Mechanisms of Development 115 (1-2): p101-105 July, 2002 2002

MEDIUM: print

ISSN: 0925-4773

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: The mastermind locus encodes a nuclear protein required in the **Notch** signalling pathway. In a screen for genes affecting wing pattern, we identified an EP element that directs expression of an alternatively spliced form of the mastermind transcript that we call mam(DN). Unlike the conventional mam transcript, mam(DN) is spatially regulated in the developing embryonic nervous system and eye imaginal disc. mam(DN) corresponds to an endogenous transcript and encodes an alternate form of the Mam protein that dominantly interferes with activity of the conventional Mam protein. Mam(DN) blocks **Notch** signalling downstream from the activated form of **Notch** but cannot interfere with an activated form of Su(H), suggesting that Mam(DN) may interfere with the activity of a ternary complex involving Mam, **Notch** and Su(H).

15/7/5

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0013085117 BIOSIS NO.: 200100256956

The AP-2 transcription factor is required for joint formation and cell survival in Drosophila leg development

AUTHOR: Kerber Birgit; Monge Ignacio; Mueller Martin; Mitchell Pamela J;
Cohen Stephen M (Reprint

AUTHOR ADDRESS: European Molecular Biology Laboratory, Meyerhofstr. 1,
69117, Heidelberg, Germany**Germany

JOURNAL: Development (Cambridge) 128 (8): p1231 1238 April, 2001 2001

MEDIUM: print

ISSN: 0950-1991

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: Flies mutant for the Drosophila homologue of the mammalian transcription factor AP-2 show a severe reduction in leg length and fail to develop joint structures. Presumptive joint cells express dAP-2 in response to **Notch** signaling. dAP-2 is required for joint cell differentiation and can induce formation of supernumerary joints when misexpressed. Although dAP-2 is expressed only in presumptive joint cells, its activity is required to support cell survival in the entire leg segment. Taken together, our data indicate that dAP-2 is an important mediator of **Notch** activity in leg development.

15/7/6

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0012721652 BIOSIS NO.: 200000439965

Glycosyltransferase activity of Fringe modulates **Notch**-Delta interactions

AUTHOR: Brueckner Katja; Perez Lidia; Clausen Henrik; **Cohen Stephen**

(Reprint
AUTHOR ADDRESS: European Molecular Biology Laboratory, Meyerhofstr 1,
69117, Heidelberg, Germany**Germany
JOURNAL: Nature (London) 406 (6794): p411-415 July 27, 2000 2000
MEDIUM: print
ISSN: 0028-0836
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Ligands that are capable of activating **Notch** family receptors are broadly expressed in animal development, but their activity is tightly regulated to allow formation of tissue boundaries. Members of the fringe gene family have been implicated in limiting **Notch** activation during boundary formation, but the mechanism of Fringe function has not been determined. Here we present evidence that Fringe acts in the Golgi as a glycosyltransferase enzyme that modifies the epidermal growth factor (EGF) modules of **Notch** and alters the ability of **Notch** to bind its ligand Delta. Fringe catalyses the addition of N-acetylglucosamine to fucose, which is consistent with a role in the elongation of O-linked fucose O-glycosylation that is associated with EGF repeats. We suggest that cell-type-specific modification of glycosylation may provide a general mechanism to regulate ligand-receptor interactions in vivo.

15/7/7
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0012671452 BIOSIS NO.: 200000389765
Temporal regulation of Apterous activity during development of the Drosophila wing
AUTHOR: Milan Marco; **Cohen Stephen M** (Reprint
AUTHOR ADDRESS: European Molecular Biology Laboratory, Meyerhofstrasse 1,
69117, Heidelberg, Germany**Germany
JOURNAL: Development (Cambridge) 127 (14): p3069-3078 July, 2000 2000
MEDIUM: print
ISSN: 0950-1991
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Dorsoventral axis formation in the Drosophila wing depends on the activity of the selector gene apterous. Although selector genes are usually thought of as binary developmental switches, we find that Apterous activity is negatively regulated during wing development by its target gene dLMO. Apterous-dependent expression of Serrate and fringe in dorsal cells leads to the restricted activation of **Notch** along the dorsoventral compartment boundary. We present evidence that the ability of cells to participate in this Apterous-dependent cell-interaction is under spatial and temporal control. Apterous-dependent expression of dLMO causes downregulation of Serrate and fringe and allows expression of Delta in dorsal cells. This limits the time window during which dorsoventral cell interactions can lead to localized activation of **Notch** and induction of the dorsoventral organizer. Overactivation of Apterous in the absence of dLMO leads to overexpression of Serrate, reduced expression of Delta and concomitant defects in differentiation and cell survival in the wing primordium. Thus, downregulation of Apterous activity is needed to allow normal wing development.

15/7/8
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0012365840 BIOSIS NO.: 200000084153
Notch signaling is not sufficient to define the affinity boundary between dorsal and ventral compartments
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JOURNAL: Molecular Cell 4 (6): p1073-1078 Dec., 1999 1999
MEDIUM: print
ISSN: 1097-2765
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RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: The developing limbs of Drosophila are subdivided into distinct cells populations known as compartments. Short-range interaction between cells in adjacent compartments induces expression of signaling molecules at the compartment boundaries. In addition to serving as the sources of long-range signals, compartment boundaries prevent mixing of the adjacent cell populations. One model for boundary formation proposes that affinity differences between compartments are defined autonomously as one aspect of compartment-specific cell identity. An alternative is that the affinity boundary depends on signaling between compartments. Here, we present evidence that the dorsal selector gene apterous plays a role in establishing the dorsoventral affinity boundary that is independent of Notch-mediated signaling between dorsal and ventral cells.

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0011798246 BIOSIS NO.: 199900057906
Notchless encodes a novel WD40-repeat-containing protein that modulates Notch signaling activity
AUTHOR: Royet Julien; Bouwmeester Tewis; Cohen Stephen M (Reprint
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JOURNAL: EMBO (European Molecular Biology Organization) Journal 17 (24): p 7351-7360 Dec. 15, 1998 1998
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LANGUAGE: English

ABSTRACT: Signaling by Notch family receptors is involved in many cell-fate decisions during development. Several modifiers of Notch activity have been identified, suggesting that regulation of Notch signaling is complex. In a genetic screen for modifiers of Notch activity, we identified a gene encoding a novel WD40-repeat protein. The gene is called Notchless, because loss-of-function mutant alleles dominantly suppress the wing notching caused by certain Notch alleles. Reducing Notchless activity increases Notch activity. Overexpression of Notchless in Xenopus or Drosophila appears to have a dominant-negative effect in that it also increases Notch activity. Biochemical studies show that Notchless binds to the cytoplasmic domain of Notch, suggesting that it serves as a direct regulator of Notch signaling activity.

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0011564830 BIOSIS NO.: 199800359077
Boundary formation in Drosophila wing: Notch activity attenuated by the POU protein Nubbin
AUTHOR: Neumann Carl J; Cohen Stephen M (Reprint
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JOURNAL: Science (Washington D C) 281 (5375): p409-413 July 17, 1998 1998
MEDIUM: print
ISSN: 0036-8075
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RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Cell interactions mediated by Notch-family receptors have been implicated in the specification of tissue boundaries in vertebrate and insect development. Although Notch ligands are often widely expressed, tightly localized activation of Notch is critical for the formation of sharp boundaries. Evidence is presented here that the POU domain protein Nubbin contributes to the formation of a sharp dorsoventral boundary in the Drosophila wing. Nubbin represses Notch-dependent target genes and sets a threshold for Notch activity that defines the spatial domain of boundary-specific gene expression.

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0010685823 BIOSIS NO.: 199799319883

A hierarchy of cross-regulation involving Notch, wingless, vestigial and cut organizes the dorsal/ventral axis of the Drosophila wing

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JOURNAL: Development (Cambridge) 122 (11): p3477-3485 1996 1996

ISSN: 0950-1991

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LANGUAGE: English

ABSTRACT: Short-range interaction between dorsal and ventral cells establishes an organizing center at the dorsal/ventral compartment boundary that controls growth and patterning of the wing. We report here that the dorsal/ventral organizer is built through a hierarchy of regulatory interactions involving the Notch and wingless signal transduction pathways and the vestigial gene. wingless and vestigial are activated in cells adjacent to the dorsal/ventral boundary by a Notch-dependent signal. vestigial is initially expressed under control of an early dorsal/ventral boundary enhancer that does not depend on wingless activity. Similarly, activation of wingless does not require vestigial function, showing that wingless and vestigial are parallel targets of the Notch pathway. Subsequently, vestigial is expressed in a broad domain that fills the wing pouch. This second phase of vestigial expression depends on Wingless function in cells at the dorsal/ventral boundary. In addition, the Notch and Wingless pathways act synergistically to regulate expression of cut in cells at the dorsal/ventral boundary. Thus Wingless can act locally, in combination with Notch, to specify cell fates, as well as at a distance to control vestigial expression. These results suggest that secreted Wingless protein mediates both long-range and short-range patterning activities of the dorsal/ventral boundary.

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0010212714 BIOSIS NO.: 199698680547

Serrate signals through notch to establish a wingless-dependent organizer at the dorsal/ventral compartment boundary of the Drosophila wing

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JOURNAL: Development (Cambridge) 121 (12): p4215-4225 1995 1995

ISSN: 0950-1991

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LANGUAGE: English

ABSTRACT: Growth and patterning of the Drosophila wing is controlled by organizing centers located at the anterior-posterior and dorsal-ventral

compartment boundaries. Interaction between cells in adjacent compartments establish the organizer. We report here that Serrate and **Notch** mediate the interaction between dorsal and ventral cells to direct localized expression of Wingless at the D/V boundary. Serrate serves as a spatially localized ligand which directs Wg expression through activation of **Notch**. Ligand independent activation of **Notch** is sufficient to direct Wg expression, which in turn mediates the organizing activity of the D/V boundary.

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$386.90 Estimated cost this search
$386.90 Estimated total session cost 3.610 DialUnits
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